



Sinhgad Institutes

**Sinhgad College of Engineering,  
Pune-41**

**Annual Academic Audit Report  
2016-17**

SINHGAD TECHNICAL EDUCATION SOCIETY'S®  
**SINHGAD COLLEGE OF ENGINEERING**

Accredited by NAAC with 'A' Grade

(Approved by AICTE, Recognized by Government of Maharashtra, Affiliated to Savitribai Phule Pune University)



Sinhgad Institutes

**Prof. M. N. Navale**  
M.E. (Elect.), MIE, MBA  
**FOUNDER PRESIDENT**

**Dr. (Mrs.) Sunanda M. Navale**  
B.A., M.P.M., Ph.D.  
**FOUNDER SECRETARY**

**Dr. S. D. Lokhande**  
B.E. (Electronics), M.E., Ph.D.  
**PRINCIPAL**

Ref. No/SCOE/2017-18/77A

5<sup>th</sup> July 2017

To  
Hon'ble Founder President  
Sinhgad Technical Education Society,  
Pune.

**Sub:** Submission of Annual Academic Report for the Academic year 2016-17.

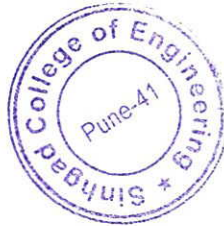
Respected Sir,

The annual academic audit of this institute has been carried out on 04/07/2017. The summary report of the same is attached herewith for year kind information and guidance.

Thanking You,

With kind regards,

**Dr. S. D. Lokhande**  
Principal



Date: 4 July 2017

**Academic Audit Summary for the Academic year 2016-17**


The Internal Quality Assurance Cell (IQAC) was set up in the academic year 2016-17 after completion of 1<sup>st</sup> cycle of NAAC. The Head of the departments and experts from management, industry, research institute were the members of the committee.

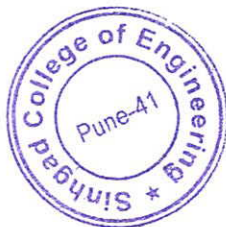
IQAC was responsible for coordinating quality academic activities. The major task of IQAC was to develop a framework within the institute for conscious, steady and synergetic work culture for better performance of institute. It helped in extension of various academic and administrative activities of the institute and setting of benchmarks for Quality Culture.


Several parameters were identified by IQAC for enhancing performance of students, faculty members and staff for next 5 years. The parameters were as follows:

- Formation of Academic Monitoring Committee in every department for monitoring the overall academic activities in order to excel in academics
- Academic Audit with Outcome-Based Approach
- Initialization of Annual Academic Audit Report
- Promoting Research Activities
- Promoting e-learning resources for students and faculty members.
- Introduction and strengthening of Student Training Programme & Value-Added Courses
- Encouraging internships for students for better understanding of practical concepts
- Improvisation of academic results leading to good placements
- Increasing Industry Institute Interaction by way of inviting resource persons from industry for guest sessions, increasing number of industrial visits, internships, industry assisted minor and major projects etc.

It was decided that IQAC will periodically monitor these parameters for quality improvement.

  
IQAC Coordinator  
Sinhgad College of Engineering  
Pune



  
Principal  
Sinhgad College of Engineering  
Pune



# SINHGAD COLLEGE OF ENGINEERING, PUNE

## Internal Academic Audit

Department Name: BIOTECHNOLOGY

Programme Name: B.Tech. Biotechnology

Academic Year: 2016-2017

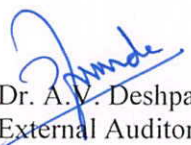
Sr. No.	Particulars	Yes/ No	Observation by External Auditor
1	Are PEO's, PO's, CO's defined as per the guidelines of SPPU?	Y	
2	Whether faculty in the department as per AICTE norms?	Y	
3	Whether faculty members encouraged and supported to pursue Ph.D.?	Y	
4	Whether the department organized events like Conferences, FDP, Workshops, Seminars and Webinars?	Y	
5	Whether the faculty members attended events like Conferences, FDP, Workshops, Seminars, and Webinars for enriching teaching- learning process?	Y	
6	Whether the department and faculty members organized and participated in Train The Trainer (TTT) program of STES?	Y	
7	Whether the faculty members undertook collaborative projects with industry/ as resource persons in FDP/Seminars/ Workshops/ Training programs as a part of Industry Institute Interaction?	Y	
8	Did the faculty members publish research papers in journals/ conference proceedings/ books/ chapters in books?	Y	7 Journal papers and 4 conference papers
9	Were students encouraged for publishing research papers in journals and conferences?	Y	2 conference and 2 journal papers published
10	Whether the department is recognized research centre?	N	-
11	Whether the department had organized Industrial Visits for students?	Y	
12	Whether the department promoted internships for students to enhance application oriented knowledge?	Y	
13	Did the department signed any MoU with industry for better industry institute interaction?	Y	
14	Has the department received any research grants/ consultancy projects from industry and other statutory organizations?	Y	Received research grants for 4 projects (1 DHR-ICMR + 3 SPPU, BCUD)




15	Whether the department (faculty/ students) applied for any patents /copyrights	Y	Applied for 2 patents
16	Does the department has mechanism in place for slow learners for their academic improvement?	Y	
17	Are Tutorial / Remedial lectures planned and conducted for the students?	Y	
18	Whether department organized Guest lectures/ Seminars/ workshops for students for better understanding of the subject/ to cover content beyond syllabus?	Y	
19	Whether the department effectively conducted Student Training Program for developing soft skills and research acumen among students?	Y	
20	Whether the department encouraged students and faculty for Self-learning certified online courses?	Y	
21	Is mechanism for Student counseling /mentoring/ Teacher Guardian Scheme at place?	Y	
22	Whether the department has the practice of updating and verification of course files?	Y	
23	Whether the department has a mechanism for examination result analysis and steps to improve the students' examination results?	Y	
24	Does the department have the practice of collecting feedback from stakeholders?	Y	

The above audit was done based on Annual Academic Audit Report received by Audit team and in discussion with HoD.

  
Dr. Kalpana Joshi  
IQAC Coordinator

  
Dr. A.V. Deshpande  
External Auditor 1

  
Dr. M.S. Gaikwad  
External Auditor 2

Date: 4<sup>th</sup> July 2017

CC to:

1. Head of Department
2. Principal

# SINHGAD COLLEGE OF ENGINEERING, PUNE

DEPARTMENT: BIOTECHNOLOGY

Proposed plan of action based on Internal Academic Audit by the  
committee on 4<sup>th</sup> July 2017

1. Encourage students to take up internships (20% students)
2. Encourage students for off campus placement
3. Encourage students for higher education. Conduct sessions on competitive exams like GATE
4. Introduce students to entrepreneurship
5. Encourage faculty for fetching research grants



HoD

**Head Of Department**  
**Biotechnology**  
(Sinhgad College of Engg  
Vadgaon (Bk.), Pune-41.

CC:

The Principal, SCOE

IQAC Coordinator



# SINHGAD COLLEGE OF ENGINEERING, PUNE

## Internal Academic Audit

Department Name: Chemical Engineering

Programme Name: BE

Academic Year: 2016-17

Sr. No.	Particulars	Yes/ No	Observation by External Auditor
1	Are PEO's, PO's, CO's defined as per the guidelines of SPPU?	Yes	
2	Whether faculty in the department as per AICTE norms?	Yes	
3	Whether faculty members encouraged and supported to pursue Ph.D.?	Yes	5 faculty members are pursuing PhD out of 12 faculty
4	Whether the department organized events like Conferences, FDP, Workshops, Seminars and Webinars?	No	
5	Whether the faculty members attended events like Conferences, FDP, Workshops, Seminars, and Webinars for enriching teaching- learning process?	No	
6	Whether the department and faculty members organized and participated in Train The Trainer (TTT) program of STES?	No	Being the only department in STES
7	Whether the faculty members undertook collaborative projects with industry/ as resource persons in FDP/Seminars/ Workshops/ Training programs as a part of Industry Institute Interaction?	No	
8	Did the faculty members publish research papers in journals/ conference proceedings/ books/ chapters in books?	Yes	
9	Were students encouraged for publishing research papers in journals and conferences?	Yes	10 Papers published by students. Which is good.
10	Whether the department is recognized research centre?	Yes	
11	Whether the department had organized Industrial Visits for students?	Yes	4
12	Whether the department promoted internships for students to enhance application oriented knowledge?	Yes	
13	Did the department signed any MoU with industry for better industry institute interaction?	Yes	MOU is signed with RCF for



			students internship
14	Has the department received any research grants/ consultancy projects from industry and other statutory organizations?	No	
15	Whether the department (faculty/ students) applied for any patents /copyrights	No	
16	Does the department has mechanism in place for slow learners for their academic improvement?	Yes	
17	Are Tutorial / Remedial lectures planned and conducted for the students?	Yes	
18	Whether department organized Guest lectures/ Seminars/ workshops for students for better understanding of the subject/ to cover content beyond syllabus?	Yes	Overall 15 expert sessions are conducted
19	Whether the department effectively conducted Student Training Program for developing soft skills and research acumen among students?	Yes	
20	Whether the department encouraged students and faculty for Self-learning certified online courses?	Yes	
21	Is mechanism for Student counseling /mentoring/ Teacher Guardian Scheme at place?	Yes	
22	Whether the department has the practice of updating and verification of course files?	Yes	
23	Whether the department has a mechanism for examination result analysis and steps to improve the students' examination results?	Yes	
24	Does the department have the practice of collecting feedback from stakeholders?	Yes	

The above audit was done based on Annual Academic Audit Report received by Audit team and in discussion with HoD.

  
Dr. Kalpana Joshi  
IQAC Coordinator

  
Dr. A.V. Deshpande  
External Auditor 1

  
Dr. M.S. Gaikwad  
External Auditor 2

Date: 4<sup>th</sup> July 2017

CC to:

1. Head of Department
2. Principal

# SINHGAD COLLEGE OF ENGINEERING, PUNE

## DEPARTMENT: Chemical Engineering

### Proposed plan of action based on Internal Academic Audit by the committee on 4<sup>th</sup> July 2017

1. Based on the suggestions of Internal Academic Audit committee the department has decided to take corrective measures on all the deficiencies
2. The Department has decided to organize FDP/Workshop/Seminars
3. The faculty members will try to attend Conferences, FDP, Workshops, Seminars, and Webinars.
4. Research Proposals will be submitted to the funding agencies.

CC:

The Principal, SCOE

IQAC Coordinator



  
HoD  
Head of Department  
Chemical Engineering  
Sinhgad College of Engg  
VADGAON 'BK' PUNE 41

# SINHGAD COLLEGE OF ENGINEERING, PUNE

## Internal Academic Audit

Department Name: Civil Engineering

Programme Name: BE

Academic Year: 2016-17


Sr. No.	Particulars	Yes/No	Observation by External Auditor
1	Are PEO's, PO's, CO's defined as per the guidelines of SPPU?	Yes	PEO's, PO's, CO's are well defined
2	Whether faculty in the department as per AICTE norms?	Yes	-
3	Whether faculty members encouraged and supported to pursue Ph.D.?	Yes	-
4	Whether the department organized events like Conferences, FDP, Workshops, Seminars and Webinars?	Yes	-
5	Whether the faculty members attended events like Conferences, FDP, Workshops, Seminars, and Webinars for enriching teaching- learning process?	Yes	-
6	Whether the department and faculty members organized and participated in Train The Trainer (TTT) program of STES?	Yes	Adequate number of TTT have been organized by department so as to train the new Faculty Members
7	Whether the faculty members undertook collaborative projects with industry/ as resource persons in FDP/Seminars/ Workshops/ Training programs as a part of Industry Institute Interaction?	Yes	-
8	Did the faculty members publish research papers in journals/ conference proceedings/ books/ chapters in books?	Yes	-
9	Were students encouraged for publish research papers in journals and conferences?	Yes	-
10	Whether the department is a recognized research centre?	Yes	-
11	Whether the department had organized Industrial Visits for students?	Yes	Various Industrial cum study visits have been organized
12	Whether the department promoted internships for students to enhance application-oriented knowledge?	Yes	--
13	Did the department sign any MoU with industry for better industry institute interaction?	No	Needs to sign a memorandum of understanding with industry



14	Has the department received any research grants/ consultancy projects from industry and other statutory organizations?	Yes	-
15	Whether the department (faculty/ students) applied for any patents /copyrights	Yes	-
16	Does the department has mechanism in place for slow learners for their academic improvement?	Yes	Effective Mechanism for slow learners is there
17	Are Tutorial / Remedial lectures planned and conducted for the students?	Yes	-
18	Whether department organized Guest lectures/ Seminars/ workshops for students for better understanding of the subject/ to cover content beyond syllabus?	Yes	-
19	Whether the department effectively conducted Student Training Program for developing soft skills and research acumen among students?	Yes	-
20	Whether the department encouraged students and faculty for Self-learning certified online courses?	Yes	-
21	Is mechanism for Student counseling /mentoring/ Teacher Guardian Scheme at place?	Yes	-
22	Whether the department has the practice of updating and verification of course files?	Yes	-
23	Whether the department has a mechanism for examination result analysis and steps to improve the students' examination results?	Yes	-
24	Does the department have the practice of collecting feedback from stakeholders?	Yes	-

The above audit was done based on Annual Academic Audit Report received by Audit team and in discussion with HoD.

  
Dr. Kalpana Joshi  
IQAC Coordinator

  
Dr. A.V. Deshpande  
External Auditor 1

  
Dr. M.S. Gaikwad  
External Auditor 2

Date: 4<sup>th</sup> July 2017

CC to:

1. Head of Department
2. Principal

# SINHGAD COLLEGE OF ENGINEERING, PUNE

DEPARTMENT: CIVIL

**Proposed plan of action based on Internal Academic Audit by the committee on 4<sup>th</sup> July 2017**

To achieve better industry institute interaction, Department will work on signing more memorandum of understanding with industry



HoD

Head-Civil Engg.  
(Dr. S. S. Shastri)  
Sinhgad College of Engg.  
Pune-41.

CC:

The Principal, SCOE  
IQAC Coordinator



# SINHGAD COLLEGE OF ENGINEERING, PUNE

## Internal Academic Audit

Department Name: Department of Computer Engineering

Programme Name: BE

Academic Year: 2016-17


Sr. No.	Particulars	Yes/ No	Observation by External Auditor
1	Are PEO's, PO's, CO's defined as per the guidelines of SPPU?	Yes	
2	Whether faculty in the department as per AICTE norms?	Yes	
3	Whether faculty members encouraged and supported to pursue Ph.D.?	Yes	
4	Whether the department organized events like Conferences, FDP, Workshops, Seminars and Webinars?	Yes	
5	Whether the faculty members attended events like Conferences, FDP, Workshops, Seminars, and Webinars for enriching teaching- learning process?	Yes	
6	Whether the department and faculty members organized and participated in Train The Trainer (TTT) program of STES?	Yes	
7	Whether the faculty members undertook collaborative projects with industry/ as resource persons in FDP/Seminars/ Workshops/ Training programs as a part of Industry Institute Interaction?	Yes	
8	Did the faculty members publish research papers in journals/ conference proceedings/ books/ chapters in books?	Yes	
9	Were students encouraged for publishing research papers in journals and conferences?	Yes	
10	Whether the department is recognized research centre?	No	
11	Whether the department had organized Industrial Visits for students?	Yes	Plan visit to Pune based software company.
12	Whether the department promoted internships for students to enhance application oriented knowledge?	Yes	
13	Did the department signed any MoU with industry for better industry institute interaction?	Yes	



14	Has the department received any research grants/ consultancy projects from industry and other statutory organizations?	Yes	
15	Whether the department (faculty/ students) applied for any patents /copyrights	No	Faculties apply for patents and copyrights.
16	Does the department has mechanism in place for slow learners for their academic improvement?	Yes	
17	Are Tutorial / Remedial lectures planned and conducted for the students?	Yes	
18	Whether department organized Guest lectures/ Seminars/ workshops for students for better understanding of the subject/ to cover content beyond syllabus?	Yes	Department must conduct lectures/ workshops on new technologies
19	Whether the department effectively conducted Student Training Program for developing soft skills and research acumen among students?	Yes	
20	Whether the department encouraged students and faculty for Self-learning certified online courses?	Yes	Guide the students to participate in IIT Spoken and NPTEL courses.
21	Is mechanism for Student counseling /mentoring/ Teacher Guardian Scheme at place?	Yes	
22	Whether the department has the practice of updating and verification of course files?	Yes	
23	Whether the department has a mechanism for examination result analysis and steps to improve the students' examination results?	Yes	
24	Does the department have the practice of collecting feedback from stakeholders?	Yes	

The above audit was done based on Annual Academic Audit Report received by Audit team and in discussion with HoD.

  
Dr. Kalpana Joshi  
IQAC Coordinator

  
Dr. A.V. Deshpande  
External Auditor 1

  
Dr. M.S. Gaikwad  
External Auditor 2

Date: 4<sup>th</sup> July 2017

CC to:

1. Head of Department
2. Principal

# SINHGAD COLLEGE OF ENGINEERING, PUNE

DEPARTMENT: DEPARTMENT OF COMPUTER ENGINEERING

## Proposed plan of action based on Internal Academic Audit by the committee on 4<sup>th</sup> July 2017

1. The students will be guided and motivated to register for Online certification program of IIT- Spoken Tutorial and NPTEL.
2. The department will plan guest lectures and workshop from industry expert on upcoming technology.
3. The faculty members are communicated to apply for at least 1 patent/ copyright on research work.
4. The industrial visits will be scheduled in Pune software park. The communication is started through T&P Cell.

  
HoD

(Department of Computer Engg.)

CC:

The Principal, SCOE  
IQAC Coordinator



**H. O. D.**  
DEPT. OF COMPUTER ENGG.  
Sinhgad College of Engineering  
44/1, Vadgaon (BK), Sinhgad Road,  
Pune-411 041.

# SINHGAD COLLEGE OF ENGINEERING, PUNE

## Internal Academic Audit

Department Name: Electronics and Telecommunication

Programme Name: BE

Academic Year: 2016-17


Sr. No.	Particulars	Yes/ No	Observation by External Auditor
1	Are PEO's, PO's, CO's defined as per the guidelines of SPPU?	Yes	
2	Whether faculty in the department as per AICTE norms?	Yes	
3	Whether faculty members encouraged and supported to pursue Ph.D.?	Yes	
4	Whether the department organized events like Conferences, FDP, Workshops, Seminars and Webinars?	Yes	
5	Whether the faculty members attended events like Conferences, FDP, Workshops, Seminars, and Webinars for enriching teaching- learning process?	Yes	
6	Whether the department and faculty members organized and participated in Train The Trainer (TTT) program of STES?	Yes	
7	Whether the faculty members undertook collaborative projects with industry/ as resource persons in FDP/Seminars/ Workshops/ Training programs as a part of Industry Institute Interaction?	Yes	
8	Did the faculty members publish research papers in journals/ conference proceedings/ books/ chapters in books?	Yes	
9	Were students encouraged for publishing research papers in journals and conferences?	Yes	
10	Whether the department is recognized research centre?	Yes	
11	Whether the department had organized Industrial Visits for students?	Yes	
12	Whether the department promoted internships for students to enhance application oriented knowledge?	Yes	
13	Did the department signed any MoU with industry for better industry institute interaction?	Yes	



14	Has the department received any research grants/ consultancy projects from industry and other statutory organizations?	Yes	
15	Whether the department (faculty/ students) applied for any patents /copyrights	Yes	Motivate faculty and students for patenting their work.
16	Does the department has mechanism in place for slow learners for their academic improvement?	Yes	
17	Are Tutorial / Remedial lectures planned and conducted for the students?	Yes	
18	Whether department organized Guest lectures/ Seminars/ workshops for students for better understanding of the subject/ to cover content beyond syllabus?	Yes	
19	Whether the department effectively conducted Student Training Program for developing soft skills and research acumen among students?	Yes	
20	Whether the department encouraged students and faculty for Self-learning certified online courses?	Yes	Encourage Students for self-learning.
21	Is mechanism for Student counseling /mentoring/ Teacher Guardian Scheme at place?	Yes	
22	Whether the department has the practice of updating and verification of course files?	Yes	
23	Whether the department has a mechanism for examination result analysis and steps to improve the students' examination results?	Yes	
24	Does the department have the practice of collecting feedback from stakeholders?	Yes	

The above audit was done based on Annual Academic Audit Report received by Audit team and in discussion with HoD.

  
Dr. Kalpana Joshi  
IQAC Coordinator

  
Dr. A.V. Deshpande  
External Auditor 1

  
Dr. M.S. Gaikwad  
External Auditor 2

Date: 4<sup>th</sup> July 2017

CC to:

1. Head of Department
2. Principal


# SINHGAD COLLEGE OF ENGINEERING, PUNE

DEPARTMENT: Electronics & Telecommunication Engg

## Proposed plan of action based on Internal Academic Audit by the committee on 4<sup>th</sup> July 2017

1. To encourage students and faculty to take on self-learning certified online courses.
2. To motivate faculty and students for filing the patents.



  
**HoD**  
**HOD**  
Electronics & Telecomm. Engg  
Sinhgad College of Engineering

CC:

The Principal, SCOE

IQAC Coordinator

# SINHGAD COLLEGE OF ENGINEERING, PUNE

## Internal Academic Audit

Department Name: Information Technology

Programme Name: BE


Academic Year: 2016-17

Sr. No.	Particulars	Yes/ No	Observation by External Auditor
1	Are PEO's, PO's, CO's defined as per the guidelines of SPPU?	Yes	
2	Whether faculty in the department as per AICTE norms?	Yes	1 Prof, 21 Asst.Prof
3	Whether faculty members encouraged and supported to pursue Ph.D.?	Yes	2 Ph.D Faculty ,12 Faculty Pursuing Ph.D
4	Whether the department organized events like Conferences, FDP, Workshops, Seminars and Webinars?	Yes	3 Workshops , 1 Conference , 10 seminars organized
5	Whether the faculty members attended events like Conferences, FDP, Workshops, Seminars, and Webinars for enriching teaching- learning process?	Yes	
6	Whether the department and faculty members organized and participated in Train The Trainer (TTT) program of STES?	Yes	
7	Whether the faculty members undertook collaborative projects with industry/ as resource persons in FDP/Seminars/ Workshops/ Training programs as a part of Industry Institute Interaction?	Yes	
8	Did the faculty members publish research papers in journals/ conference proceedings/ books/ chapters in books?	Yes	10 Journal papers and 13 conference papers
9	Were students encouraged for publishing research papers in journals and conferences?	Yes	
10	Whether the department is recognized research centre?	No	
11	Whether the department had organized Industrial Visits for students?	Yes	
12	Whether the department promoted internships for students to enhance application oriented knowledge?	Yes	25 students done Internship
13	Did the department signed any MoU with industry for better industry institute interaction?	Yes	1 MOU




14	Has the department received any research grants/ consultancy projects from industry and other statutory organizations?	Yes	
15	Whether the department (faculty/ students) applied for any patents /copyrights	No	
16	Does the department has mechanism in place for slow learners for their academic improvement?	Yes	
17	Are Tutorial / Remedial lectures planned and conducted for the students?	Yes	
18	Whether department organized Guest lectures/ Seminars/ workshops for students for better understanding of the subject/ to cover content beyond syllabus?	Yes	10 Guest lectures 03 Workshop 02 VAP
19	Whether the department effectively conducted Student Training Program for developing soft skills and research acumen among students?	Yes	
20	Whether the department encouraged students and faculty for Self-learning certified online courses?	Yes	
21	Is mechanism for Student counseling /mentoring/ Teacher Guardian Scheme at place?	Yes	
22	Whether the department has the practice of updating and verification of course files?	Yes	
23	Whether the department has a mechanism for examination result analysis and steps to improve the students' examination results?	Yes	Result analysis prepared
24	Does the department have the practice of collecting feedback from stakeholders?	Yes	

The above audit was done based on Annual Academic Audit Report received by Audit team and in discussion with HoD.

  
Dr. Kalpana Joshi  
IQAC Coordinator

  
Dr. A.V. Deshpande  
External Auditor 1

  
Dr. M.S. Gaikwad  
External Auditor 2

Date: 4<sup>th</sup> July 2017

CC to:

1. Head of Department
2. Principal

# SINHGAD COLLEGE OF ENGINEERING, PUNE

DEPARTMENT: Information Technology

## Proposed plan of action based on Internal Academic Audit by the committee on 4<sup>th</sup> July 2017

1. Encourage students for internship activity and sponsored projects
2. Motivate faculty and students to publish more papers in conference and journals
3. Department will plan to organize workshops/FDP
4. Motivate staff for patent/copyright registration
5. More remedial lectures will be conducted for weak students
6. Department will plan revision lectures to improve examination result



HoD

CC:

The Principal, SCOE

IQAC Coordinator





inhgad Institutes

# SINHGAD COLLEGE OF ENGINEERING

[Affiliated to SavitribaiPhule Pune University & Approved by AICTE (ID No.PU/PN/Engg/116(1996))

S.No. 44/1, Vadgaon (Bk.), Off Sinhgad Road, Pune-411041.

## Department of Mechanical Engineering

Programme Name: BE

Academic Year: 2016-2017

Sr. No.	Particulars	Yes/ No	Observation by External Auditor
1	Are PEO's, PO's, CO's defined as per the guidelines of SPPU	Yes	
2	Whether faculty in the department as per AICTE norms?	Yes	
3	Whether faculty members encouraged and supported to pursue Ph.D.?	Yes	6 faculty members are pursuing Ph.D.
4	Whether the department organized events like Conferences, FDP, Workshops, Seminars and Webinars?	Yes	Organized 2 FDP
5	Whether the faculty members attended events like Conferences, FDP, Workshops, Seminars, and Webinars for enriching teaching- learning process?	Yes	17 faculty members attended
6	Whether the department and faculty members organized and participated in Train The Trainer (TTT) program of STES?	Yes	
7	Whether the faculty members undertook collaborative projects with industry/ as resource persons in FDP/Seminars/ Workshops/ Training programs as a part of Industry Institute Interaction?	Yes	
8	Did the faculty members publish research papers in journals/ conference proceedings/ books/ chapters in books?	Yes	Faculty members of departments have published no.7 of research papers in journal and no. 8 papers in conferences
9	Were students encouraged for publishing research papers in journals and conferences?	Yes	Students of departments have published no. 28 of research papers in journal and no. 12 papers in conferences
10	Whether the department is recognized research Centre?	Yes	
11	Whether the department had organized Industrial Visits for students?	Yes	7 industrial visits organized
12	Whether the department promoted internships for students to enhance application oriented knowledge?	Yes	28 students have undergone student internship program in reputed industries
13	Did the department signed any MoU with industry for better industry institute interaction?	Yes	Department has signed 8 MoU's
14	Has the department received any research grants/ consultancy projects from industry and other statutory organizations?	Yes	
15	Whether the department (faculty/ students) applied for any patents /copyrights	Yes	A faculty applied for patent





# SINHGAD COLLEGE OF ENGINEERING

[Affiliated to SavitribaiPhule Pune University & Approved by AICTE (ID No.PU/PN/Engg/116(1996))

S.No. 44/1, Vadgaon (Bk.), Off Sinhgad Road, Pune-411041.

**inhgad Institutes**

16	Does the department has mechanism in place for slow learners for their academic improvement?	Yes	
17	Are Tutorial / Remedial lectures planned and conducted for the students?	Yes	
18	Whether department organized Guest lectures/ Seminars/ workshops for students for better understanding of the subject/ to cover content beyond syllabus?	Yes	6 Guest lectures arranged for better understanding of advancement in technologies
19	Whether the department effectively conducted Student Training Program for developing soft skills and research acumen among students?	Yes	
20	Whether the department encouraged students and faculty for Self-learning certified online courses?	Yes	Students are encouraged to do online certified courses like course era, NPTEL, etc.
21	Is mechanism for Student counseling /mentoring/ Teacher Guardian Scheme at place?	Yes	
22	Whether the department has the practice of updating and verification of course files?	Yes	
23	Whether the department has a mechanism for examination result analysis and steps to improve the students' examination results?	Yes	
24	Does the department have the practice of collecting feedback from stakeholders?	Yes	

The above audit was done based on Annual Academic Audit Report received by Audit team and in discussion with Head of the Department.

Dr. Kalpana Joshi  
Coordinator

Dr. A.V. Deshpande  
External Auditor 1

Dr. M.S. Gaikwad IQAC  
External Auditor 2

Date: 4<sup>th</sup> July 2017

CC to:

1. Head of Department
2. Principal



inhgad Institutes

# SINHGAD COLLEGE OF ENGINEERING

[Affiliated to Savitribai Phule Pune University & Approved by AICTE (ID No. PU/PN/Engg/116(1996))]

S.No. 44/1, Vadgaon (Bk.), Off Sinhgad Road, Pune-411041.

## Department of Mechanical Engineering

Programme Name: BE

Academic Year: 2016-2017

**Proposed plan of action based on Internal Academic Audit by the Departmental committee on 4<sup>th</sup> July 2017**

1. Improve Industry interaction
2. Promote more number of students participate in technical events
3. Organize more Industrial visits and MoUs

CC:  
The Principal, SCOE  
IQAC Coordinator



  
Head of Department  
Head  
Dept. Mechanical Engineering  
Sinhgad College of Engineering  
Vadgaon (Bk.), Pune - 41.

# SINHGAD COLLEGE OF ENGINEERING, PUNE

## Internal Academic Audit

Department Name: Production Engineering

Programme Name: BE

Academic Year: 2016-2017

Sr. No.	Particulars	Yes/ No	Observation by External Auditor
1	Are PEO's, PO's, CO's defined as per the guidelines of SPPU?	Yes	
2	Whether faculty in the department as per AICTE norms?	Yes	
3	Whether faculty members encouraged and supported to pursue Ph.D.?	Yes	Still more encouragements and efforts are required to complete the PhD work of the faculties
4	Whether the department organized events like Conferences, FDP, Workshops, Seminars and Webinars?	Yes	
5	Whether the faculty members attended events like Conferences, FDP, Workshops, Seminars, and Webinars for enriching teaching- learning process?	Yes	
6	Whether the department and faculty members organized and participated in Train The Trainer (TTT) program of STES?	Yes	
7	Whether the faculty members undertook collaborative projects with industry/ as resource persons in FDP/Seminars/ Workshops/ Training programs as a part of Industry Institute Interaction?	Yes	
8	Did the faculty members publish research papers in journals/ conference proceedings/ books/ chapters in books?	Yes	Three paper are published in International Journal by the faculties
9	Were students encouraged for publishing research papers in journals and conferences?	Yes	
10	Whether the department is recognized research centre?	No	
11	Whether the department had organized Industrial Visits for students?	Yes	
12	Whether the department promoted internships for students to enhance application oriented knowledge?	Yes	
13	Did the department signed any MoU with industry for better industry institute interaction?	Yes	



14	Has the department received any research grants/ consultancy projects from industry and other statutory organizations?	Yes	Grandwell Norton Ltd ,Pune sponsored research project
15	Whether the department (faculty/ students) applied for any patents /copyrights	No	Motivate faculty for patents /copyrights
16	Does the department has mechanism in place for slow learners for their academic improvement?	Yes	
17	Are Tutorial / Remedial lectures planned and conducted for the students?	Yes	
18	Whether department organized Guest lectures/ Seminars/ workshops for students for better understanding of the subject/ to cover content beyond syllabus?	Yes	
19	Whether the department effectively conducted Student Training Program for developing soft skills and research acumen among students?	Yes	
20	Whether the department encouraged students and faculty for Self-learning certified online courses?	Yes	
21	Is mechanism for Student counseling /mentoring/ Teacher Guardian Scheme at place?	Yes	
22	Whether the department has the practice of updating and verification of course files?	Yes	
23	Whether the department has a mechanism for examination result analysis and steps to improve the students' examination results?	Yes	
24	Does the department have the practice of collecting feedback from stakeholders?	Yes	

The above audit was done based on Annual Academic Audit Report received by Audit team and in discussion with HoD.



Dr. Kalpana Joshi  
IQAC Coordinator



Dr. A.V. Deshpande  
External Auditor 1



Dr. M.S. Gaikwad  
External Auditor 2

Date: 4<sup>th</sup> July 2017

CC to:

1. Head of Department
2. Principal

# SINHGAD COLLEGE OF ENGINEERING, PUNE

DEPARTMENT: Production Engineering

## Proposed plan of action based on Internal Academic Audit by the committee on 4<sup>th</sup> July 2017

1. To organize a workshop on "Optimization Techniques for Engineering Application"
2. To organize one day work shop on "Syllabus Revision of BE Production /Production Engg S/W Course 2015-Credit Course

HoD

HEAD OF DEPARTMENT

Production Engineering

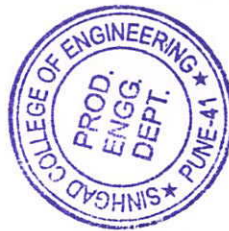
(R. S. Katikar)

Sinhgad College of Engineering  
S No. 44/1 Vadgaon (BK), Pune

CC:

The Principal, SCOE

IQAC Coordinator



# SINHGAD COLLEGE OF ENGINEERING, PUNE

## Internal Academic Audit

Department Name: Department of Management Studies

Programme Name: MBA

Academic Year: 2016-17


Sr. No.	Particulars	Yes/ No	Observation by External Auditor
1	Are PEO's, PO's, CO's defined as per the guidelines of SPPU?	Yes	
2	Whether faculty in the department as per AICTE norms?	Yes	
3	Whether faculty members encouraged and supported to pursue Ph.D.?	Yes	
4	Whether the department organized events like Conferences, FDP, Workshops, Seminars and Webinars?	Yes	
5	Whether the faculty members attended events like Conferences, FDP, Workshops, Seminars, and Webinars for enriching teaching- learning process?	Yes	
6	Whether the department and faculty members organized and participated in Train The Trainer (TTT) program of STES?	Yes	Case Study Teaching Methodology for teachers was conducted
7	Whether the faculty members undertook collaborative projects with industry/ as resource persons in FDP/Seminars/ Workshops/ Training programs as a part of Industry Institute Interaction?	Yes	
8	Did the faculty members publish research papers in journals/ conference proceedings/ books/ chapters in books?	Yes	
9	Were students encouraged for publishing research papers in journals and conferences?	Yes	
10	Whether the department is recognized research centre?	No	
11	Whether the department had organized Industrial Visits for students?	Yes	
12	Whether the department promoted internships for students to enhance application oriented knowledge?	Yes	Internship is a mandatory subject for Semester III.
13	Did the department signed any MoU with industry for better industry institute interaction?	Yes	




14	Has the department received any research grants/ consultancy projects from industry and other statutory organizations?	Yes	
15	Whether the department (faculty/ students) applied for any patents /copyrights	No	
16	Does the department has mechanism in place for slow learners for their academic improvement?	Yes	
17	Are Tutorial / Remedial lectures planned and conducted for the students?	Yes	
18	Whether department organized Guest lectures/ Seminars/ workshops for students for better understanding of the subject/ to cover content beyond syllabus?	Yes	For soft skill enhancement to make students employable and coverage of content beyond syllabus with regards to industrial scenario.
19	Whether the department effectively conducted Student Training Program for developing soft skills and research acumen among students?	Yes	
20	Whether the department encouraged students and faculty for Self-learning certified online courses?	Yes	
21	Is mechanism for Student counseling /mentoring/ Teacher Guardian Scheme at place?	Yes	
22	Whether the department has the practice of updating and verification of course files?	Yes	
23	Whether the department has a mechanism for examination result analysis and steps to improve the students' examination results?	Yes	
24	Does the department have the practice of collecting feedback from stakeholders?	Yes	From students, alumni and Industry

The above audit was done based on Annual Academic Audit Report received by Audit team and in discussion with HoD.

  
Dr. Kalpana Joshi  
IQAC Coordinator

  
Dr. A.V. Deshpande  
External Auditor 1

  
Dr. M.S. Gaikwad  
External Auditor 2

Date: 4<sup>th</sup> July 2017

CC to:


1. Head of Department
2. Principal

# SINHGAD COLLEGE OF ENGINEERING, PUNE

DEPARTMENT: Department of Management Studies

Proposed plan of action based on Internal Academic Audit by the  
committee on 4<sup>th</sup> July 2017

1. Efforts to increase the number of research publication in the reputed journals
2. Encouraging faculty members and students for online certification course
3. Improvised plan for slow learners

  
Head of Department  
Department of Management Studies  
Sinhgad College of Engg.  
Wadgaon (P.K.), Pune-41

(Dr. Manita Mishra)

CC:  
The Principal, SCOE  
IQAC Coordinator



# SINHGAD COLLEGE OF ENGINEERING, PUNE

## Internal Academic Audit

Department Name: First Year Engineering

Programme Name: BE

Academic Year: 2016-17


Sr. No.	Particulars	Yes/ No	Observation by External Auditor
1	Are PEO's, PO's, CO's defined as per the guidelines of SPPU?	Yes	--
2	Whether faculty in the department as per AICTE norms?	Yes	--
3	Whether faculty members encouraged and supported to pursue Ph.D.?	Yes	--
4	Whether the department organized events like Conferences, FDP, Workshops, Seminars and Webinars?	Yes	--
5	Whether the faculty members attended events like Conferences, FDP, Workshops, Seminars, and Webinars for enriching teaching- learning process?	Yes	--
6	Whether the department and faculty members organized and participated in Train The Trainer (TTT) program of STES?	Yes	--
7	Whether the faculty members undertook collaborative projects with industry/ as resource persons in FDP/Seminars/ Workshops/ Training programs as a part of Industry Institute Interaction?	No	--
8	Did the faculty members publish research papers in journals/ conference proceedings/ books/ chapters in books?	Yes	--
9	Were students encouraged for publishing research papers in journals and conferences?	No	Not applicable to FE
10	Whether the department is recognized research centre?	No	Not applicable to FE
11	Whether the department had organized Industrial Visits for students?	No	Not applicable to FE
12	Whether the department promoted internships for students to enhance application oriented knowledge?	No	Not applicable to FE
13	Did the department signed any MoU with industry for better industry institute interaction?	No	Not applicable to FE



14	Has the department received any research grants/ consultancy projects from industry and other statutory organizations?	Yes	A research grant of Rs. 1, 90,000 is received from BCUD, SPPU.
15	Whether the department (faculty/ students) applied for any patents /copyrights	No	--
16	Does the department has mechanism in place for slow learners for their academic improvement?	Yes	--
17	Are Tutorial / Remedial lectures planned and conducted for the students?	Yes	--
18	Whether department organized Guest lectures/ Seminars/ workshops for students for better understanding of the subject/ to cover content beyond syllabus?	Yes	--
19	Whether the department effectively conducted Student Training Program for developing soft skills and research acumen among students?	Yes	Introductory lectures of STP were conducted by mentors.
20	Whether the department encouraged students and faculty for Self-learning certified online courses?	Yes	--
21	Is mechanism for Student counseling /mentoring/ Teacher Guardian Scheme at place?	Yes	--
22	Whether the department has the practice of updating and verification of course files?	Yes	--
23	Whether the department has a mechanism for examination result analysis and steps to improve the students' examination results?	Yes	--
24	Does the department have the practice of collecting feedback from stakeholders?	Yes	--

The above audit was done based on Annual Academic Audit Report received by Audit team and in discussion with HoD.

  
Dr. Kalpana Joshi  
IQAC Coordinator

  
Dr. A.V. Deshpande  
External Auditor 1

  
Dr. M.S. Gaikwad  
External Auditor 2

Date: 4<sup>th</sup> July 2017

CC to:

1. Head of Department
2. Principal


# SINHGAD COLLEGE OF ENGINEERING, PUNE

DEPARTMENT: FIRST YEAR ENGINEERING

## Proposed plan of action based on Internal Academic Audit by the committee on 4<sup>th</sup> July 2017

1. Faculty members are encouraged to increase the interaction with outside academic and industrial organizations.
2. A need of organizing sSeminars/workshops for FE students was discussed in the faculty meeting and decided to organize at least one seminar/workshop per course.

CC:  
The Principal, SCOE  
IQAC Coordinator

  
**HOD**  
**Prof. V. K. Chaudhari**  
Head,  
Engineering Sciences Department  
Sinhgad College of Engineering,  
Pune-41

# **ANNUAL ACADEMIC AUDIT REPORT**

## **2016 -17**



**STES's Sinhgad College of Engineering**  
**Vadgaon (Bk), Pune – 41**



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## Vision of the Institution:

उत्तमपुरुषान् उत्तमाभियंतृन् निर्मातुं कटिबद्धाः वयम् ।

We are committed to produce not only good engineers but good human beings, also.

## 1. Mission:

Holistic development of students and teachers is what we believe in and work for. We strive to achieve this by imbibing an unique value system, transparent work culture, excellent academic and physical environment conducive to learning, creativity and technology transfer. Our mandate is to generate, preserve and share knowledge for developing a vibrant Society.

## 2. Quality Policy:

Quality Policy aims to establish centre of excellence for technical education and research in Engineering & Technology by way of;

- Inducting faculty having sound knowledge in the field of Science and Engineering and to make special efforts to retain them.
- Proven good results and admitting quality students.
- Developing human capital by supporting talent, ideas and energies of outstanding individuals.
- Promoting partnerships with the quality institutes like IITs', IISc, etc. , research organizations like ARAI, NCL, C-DAC, etc. & prominent corporate houses.

Developing excellent teaching learning process by establishing cohesive bond between students & faculty and healthy atmosphere with decent discipline.

## 3. Goals:

### • Long Term Goals

1. To establish Research Centre as Centre of Excellence in Engineering Research and Development
2. To seek Academic Autonomy leading to University status
3. To develop an Engineering Knowledge Centre of Society in general
4. To develop the institute in focused areas like Information Technology, Biotechnology, Energy, Materials etc.

### • Short Term Goals

1. To add new Post Graduate and Ph.D. programs
2. To motivate and deputefaculty for Doctoral Programs
3. To improve the interaction with institutes of national and international repute and industries from various fields of engineering

## 4. Students Intake:

### UG Intake:

Sr. No	Program	No. of Seats
1.	Chemical Engineering	60
2.	Civil Engineering	120+60*
3.	Mechanical Engineering	240+60*
4.	Electronics & Telecommunication Engineering	180+60*
5.	Computer Engineering	120+60*
6.	Production Engineering	60
7.	Information Technology Engineering	120
8.	Biotechnology	60
<b>Total</b>		<b>1200</b>

\*Second shift

### PG Intake:

Sr. No.	Program	No. of Seats
1.	ME Chemical Engineering	18
2.	ME Design Engineering	18
3.	ME Digital System	18
4.	ME Heat Power	18
5.	ME Structure Engineering	18
6.	ME VLSI and Embedded System	18
7.	ME Computer Network	18
8.	ME Information Technology	18
9.	ME Mechatronics	18
10.	ME Communication Networks	18
11.	ME Hydraulics	18
12.	ME Automotive Engineering	18
13.	ME Environmental Engineering	18
14.	ME Signal Processing	18
15.	MBA	60
<b>Total</b>		<b>312</b>



### Ph.D. Intake:

Sr.No.	Department	No. of Students Registered for Ph.D.
1.	Chemical Engineering	01
2.	Civil Engineering	19
3.	Mechanical Engineering	22
<b>Total</b>		<b>42</b>

### 5. Activity Plan of Departments:

Academic Activities	Co-Curricular Activities	Faculty Development And Industry Interface
<ul style="list-style-type: none"> <li>Teaching Plan</li> <li>Self-Learning Sessions.</li> <li>Attendance</li> <li>Teacher Guardian Scheme</li> <li>Mock Online exams</li> <li>Value addition programmes</li> <li>Student Training Programmes (STP)</li> <li>Open Feedback</li> <li>Unit Tests, Prelims</li> <li>Well defined Internal Assessment Scheme</li> <li>Engineers Day</li> <li>BE Project Competition</li> </ul>	<ul style="list-style-type: none"> <li>Employability Improvement</li> <li>AMCAT</li> <li>Technical Presentations</li> <li>Soft Skills training</li> <li>Invited talks by Industry Experts/ academicians</li> <li>Technical quiz / Technical festivals</li> <li>Industry Projects / Project exhibitions</li> <li>Industry visits</li> <li>Alumni Meet</li> <li>Teachers' Day</li> <li>BE Farewell function</li> <li>Social / Cultural Programs/ Sports</li> </ul>	<ul style="list-style-type: none"> <li>In-house Training (Personal Interactions, Meetings / quality improvement programmes)</li> <li>Industry exposure</li> <li>Participation in workshops conducted by Industries / other institutes of eminence</li> <li>Motivation for higher Education</li> <li>Campus Connect / extension programmes</li> <li>Industrial visits</li> <li>Training &amp; Placement Activities</li> <li>Seminars &amp; Conferences</li> <li>Train the Trainers Program</li> <li>Vocational Training for students/Industrial visits</li> </ul>

## 6. Faculty Position:

Sr. No.	Department	Professors	Associate Professor	Assistant Professor	Total
1.	Chemical Engineering	02	03	07	12
2.	Civil Engineering	01	06	35	42
3.	Mechanical Engineering	04	09	61	74
4.	E&TC Engineering	08	02	45	55
5.	Computer Engineering	01	06	24	31
6.	Production Engineering	-	02	08	10
7.	Information Technology	01	06	15	22
8.	Biotechnology	01	-	10	11
9.	MBA	01	04	01	06
10.	Applied Science	01	05	22	28
<b>Total</b>		<b>20</b>	<b>43</b>	<b>228</b>	<b>291</b>

## 7. Faculty Qualification:

Sr. No.	Department	Ph.D.	M.E/M.Tech/M.Sc.	Total
1.	Chemical Engineering	4	8	12
2.	Civil Engineering	6	36	42
3.	Mechanical Engineering	8	66	74
4.	E&TC Engineering	8	47	55
5.	Computer Engineering	1	30	31
6.	Information Technology	1	21	22
7.	Production Engineering	-	10	10
8.	Biotechnology	2	9	11
9.	MBA	5	1	6
10.	Applied Science	5	23	28
<b>Total</b>		<b>40</b>	<b>251</b>	<b>291</b>

## 8. Faculty Pursuing Ph.D.:

Sr. No.	Department	Pursuing Ph.D.
1.	Chemical Engineering	5
2.	Civil Engineering	8
3.	Mechanical Engineering	6
4.	E&TC Engineering	15
5.	Computer Engineering	15
6.	Information Technology	12
7.	Production Engineering	4
8.	Biotechnology	2
9.	MBA	1
10.	Applied Science	6
<b>Total</b>		<b>74</b>

## 9. Research Activities:

- R&D, Consultancy and Grants: (For the academic years 2016-17)**

Sr. No.	Department	No. R&D, Consultancy Projects	Amount Sanctioned in Rs.	Amount Received in Rs.
1.	Chemical	NIL	NIL	NIL
2.	Civil Engineering	2	1,48,000	1,27,000
3.	Mechanical Engineering	3	6,80,000	3,40,000
4.	E&TC Engineering	NIL	NIL	NIL
5.	Computer Engineering	6	5,66,500	NIL
6.	Production Engineering	NIL	NIL	NIL
7.	Information Technology	5	5,92,000	1,20,000
8.	Biotechnology	4	20,91,250	NIL
9.	MBA	NIL	NIL	NIL
10.	Applied Science	1	2,40,000	2,20,000
<b>Total</b>		<b>21</b>	<b>43,17,750/-</b>	<b>8,07,000/-</b>

- List of Publications – Journals :**

Sr. No.	Department	Number of Publications
1.	Chemical Engineering	12
2.	Civil Engineering	9
3.	Mechanical Engineering	47
4.	E&TC Engineering	63
5.	Computer Engineering	14
6.	Production Engineering	4
7.	Information Technology	10
8.	Biotechnology	7
9.	MBA	6
10.	Applied Science	8
<b>Total</b>		<b>180</b>

- Research Publications – Conferences :**

Sr. No.	Department	Number of Conferences
1.	Chemical Engineering	12
2.	Civil Engineering	2
3.	Mechanical Engineering	-
4.	E&TC Engineering	37
5.	Computer Engineering	17
6.	Production Engineering	3
7.	Information Technology	13
8.	Biotechnology	4
9.	MBA	3
10.	Applied Science	2
<b>Total</b>		<b>93</b>



• **FDP/STTP/Workshop/Conferences Organized :**

Sr. No.	Department	No. of FDP/STTP/Workshop/Conferences Organized
1.	Chemical Engineering	NIL
2.	Civil Engineering	7
3.	Mechanical Engineering	2
4.	E&TC Engineering	2
5.	Computer Engineering	19
6.	Production Engineering	1
7.	Information Technology	3
8.	Biotechnology	1
9.	MBA	3
10.	Applied Science	-
<b>Total</b>		<b>38</b>

• **STTP/Workshop/Conferences Attended by Faculty :**

Sr. No.	Department	No. of STTP/Workshop/Conferences Attended
1.	Chemical Engineering	-
2.	Civil Engineering	40
3.	Mechanical Engineering	10
4.	E&TC Engineering	90
5.	Computer Engineering	4
6.	Production Engineering	16
7.	Information Technology	68
8.	Biotechnology	5
9.	MBA	1
10.	Applied Science	34
<b>Total</b>		<b>268</b>

## 10. University Results:

Sr. No.	Department	Semester – Results (%)		
		SE	TE	BE
1.	Chemical Engineering	57.31	80.00	94.87
2.	Civil Engineering	53.56	69.35	89.61
3.	Mechanical Engineering	66	75	91
4.	E&TC Engineering	70.63	71.93	94.39
5.	Computer Engineering	57.20	75.72	97.66
6.	Production Engineering	56.52	71.21	100
7.	Information Technology	61.59	62.22	98.59
8.	Biotechnology	62.96	93.33	92.45
9.	MBA	89.47	NA	NA
10.	Applied Science	61.55	NA	NA

## 11. Value Addition Programs (VAP) and Expert Sessions:

Sr. No.	Department	No. of Value Addition Programs (VAP)	No. of Expert Sessions
1.	Chemical Engineering	1	15
2.	Civil Engineering	3	-
3.	Mechanical Engineering	8	-
4.	E&TC Engineering	8	8
5.	Computer Engineering	5	5
6.	Production Engineering	3	25
7.	Information Technology	2	10
8.	Biotechnology	1	8
9.	MBA	1	1
10.	Applied Science	-	46
<b>Total</b>		<b>32</b>	<b>118</b>

## 12. Memorandum of Understanding (MoUs):

Sr. No.	Department	No of MoUs
1.	Chemical Engineering	1
2.	Civil Engineering	1
3.	Mechanical Engineering	8
4.	E&TC Engineering	16
5.	Computer Engineering	1
6.	Production Engineering	4
7.	Information Technology	1
8.	Biotechnology	7
9.	MBA	1
<b>Total</b>		<b>40</b>

Sr. No	Name of Company	Date of MOU	Purpose	Outcome
<b>Chemical Engineering</b>				
1.	Rashtriya Chemicals & Fertilizers, Chembur, Mumbai	1/04/2016	To provide knowledge in terms of training in the field of Chemical Engineering, Unit operations, Unit Processes etc. disciplines with a special focus on overview, general introduction, process operation, trouble shooting and equipment details in the process plants to its students	After training students will learn theoretical and practical aspects related to following points
<b>Civil Engineering</b>				
2.	Appa Patwardhan Sanstha <b>Civil Engineering</b> , Pune	18/07/13	To execute the Environmental related projects	To meet the needs related to environmental protection.
<b>Mechanical Engineering</b>				
3.	True Copy Credentials Pvt. Ltd.	05 <sup>th</sup> Oct 2015 to 04 <sup>th</sup> Oct 2018	To facilitate creation and delivery of Transcripts	Able to understand the process of transcript writing and delivery methods
4.	Mechatol Engineering Solutions	1 <sup>st</sup> August 2016 to 31 <sup>st</sup> July 2018	To provide training on industry specific skills, sponsor UG and PG projects	Student are able to read engineering drawings and prepare process plan for projects.
5.	Gofigito LLP	1 <sup>st</sup> August 2016	To provide training on group discussion, interview preparation and general aptitude.	Student are able to participate in group discussion, can face interview and general aptitude.
6.	IFS Academy	9 <sup>th</sup> February 2016	Supplementing and integrating their expertise so as to offer a course on “Creo and Catia software” to prospective students.	Student are able to use Creo and Catia software.
7.	Geometric Limited	8 <sup>th</sup> Oct.2015 to 7 <sup>th</sup> Oct.2016	Conduction of course related to DFMPPro and Geometric Stackup.	Student are able to understand DFMPPro and Geometric Stackup
8.	Fluid Controls Pvt. Ltd.	01 <sup>st</sup> July 2015 to 30 <sup>th</sup> June 2017	To provide training on industry specific skills, sponsor UG and PG projects, facilitate industrial visit	Student are able to understand skills required in industry



9.	Univision Automation	01 <sup>st</sup> July 2015 to 30 <sup>th</sup> June 2017	To provide training on industry specific skills, sponsor UG and PG projects, facilitate industrial visit	Student are able to understand skills required in industry
10.	Mersion	1 <sup>st</sup> November 2016	To provide training and certification to students to meet current challenges in diverse fields like engineering, management, media, design, etc.	Student are able to understand engineering, management, media, design, etc.
<b>E &amp; TC Engineering</b>				
11.	Invictaa Enterprise	26/6/2017	Conduction of Workshop for students, SDP/FDP	Students developed new skills through seminars.
12.	Infinty Switch Technologies Pvt. Ltd.	18/05/2017	Conduction of Workshop for students, SDP/FDP	Students were made aware about various job opportunities
13.	Embel Technologies	05/05/2017	Conduction of Workshop for students, SDP/FDP	Seminars and workshops were conducted for students on embedded systems.
14.	House Of Science, Ahemedabad	21/11/2016	Conduction of Workshop for students, SDP/FDP	To encourage staff and students with newer developments
15.	Getsetsmart Edutech Private Ltd.	11/07/2016	Conduction of Workshop for students, SDP/FDP	Seminar conducted on recent trends in VLSI domain for students.
16.	Alborg University	10/10/2016	To encourage students for higher studies	This tie-up had spread the awareness of higher education among faculties
17.	Jamboree	08/02/2017	To encourage students for higher studies	Students are made aware about the advantages of pursuing higher studies
18.	Gate fourm	23/01/2017	To encourage students for higher studies	Students are made aware about the advantages of pursuing higher studies
19.	Processes N Migration	Feb. 21, 2012	To conduct trainings on Employability skills	Seminars were conducted to motivate students to develop their skills

20.	Texas Instruments (Trident Techlabs Pvt. Ltd.)	Jun. 24, 2013	To Establish teaching lab facility in the area TI MSP 430	Students and staff were encouraged to learn new microcontroller architecture
21.	ACTEL Inc.	Jul. 5, 2005	<ol style="list-style-type: none"> <li>1. To establish dedicated laboratory to FPGA research, design and development.</li> <li>2. Equip the lab with basic amenities.</li> <li>3. To provide free use of hardware tools, software and sample FPGA devices.</li> </ol>	Through Seminars and workshops students and staff were encouraged to learn and develop new skills
22.	IGATE Global Solutions	Nov. 7, 2014	To work with institution to help align the college curriculum to the industry requirements	Students are made aware about the advantages of pursuing higher studies
23.	The Gate Academy, Pune	Jan 16, 2015	To provide mass counseling to the students	Students are made aware about the advantages of pursuing higher studies
24.	e-Yantra (IIT Bombay)	Sept 30, 2015	To facilitate the setting up of Robotics lab through Task Based Training (TBT)	Students are encouraged to take part in various Task Based activity in co-ordination with IIT Bombay
25.	Cypress Semiconductor Corporation	Nov 6, 2015	Received grant in terms of 4-M series Pioneer Kits	Through donation of kits students and staff were encouraged to learn new developments.
26.	Mersion	May 26, 2016	To provide unique opportunities to the stakeholders to learn from world's top universities.	Students are made aware about the advantages of pursuing higher studies
<b>Computer Engineering</b>				

### 13. Industrial Visits:

Sr. No.	Department	No. of Industrial Visits
1.	Chemical Engineering	4

2.	Civil Engineering	16		
3.	Mechanical Engineering	7		
4.	E&TC Engineering	4		
5.	Computer Engineering	2		
6.	Production Engineering	8		
7.	Information Technology	3		
8.	Biotechnology	1		
9.	MBA	1		
Total		46		
	Geometric Limited	03/01/2017 to 03/01/2018	Student training on Design of Manufacturing Pro & Geometric stack up.	know various advanced tools used in industry which will increase their employability. This program includes industry oriented projects that would address the essential requirements to build a career in Engineering Design and Development.
29.	Global Biz-ware Solutions	01/02/2017 to 30/03/2020	Seminar on process planning and product realization , sponsored for PROZINE , Professional job skills program Strong fundamental engineering knowledge, multiple technical skills	Practical knowledge of Operational excellence like Six sigma, Kaizen & 5s.
30.	CADD Center Pune	01/01/2017 to 31/12/2020	Guest lecture on MAT Lab ,CAD,CAM ,CAE and its application -Student training programme and certification	Students will acquire knowledge in design of components & live projects practice
31.	Synergy School of business schools	01/02/2017 to 30/03/2020	Guest lecture on professional job skills and development program - Training for project management concepts, operational excellence & people skills	Student will develop high confidence level , current industry trends and challenging requirements
Information Technology				
32.	Infosys	19 <sup>th</sup> Feb 2015 Renewal	To enriching the technical education process and to jointly work for enhancing the quality of education imparted to students, faculty and	To gain first-hand exposure of working in the real world. It also allows students to harness

			management of selected colleges of the University related to the field of Information Technology	the skill, knowledge and theoretical practice they learn in university.
<b>Biotechnology Department</b>				
33.	CMI Copenhagen, Aalborg University, Denmark and STES	2016-2020	Faculty, student exchange and collaborative research	Students got exposure to work in research field
34.	Mersion School (Academic Collaboration)	2016 – 2017	To provide services in testing and consultancy and collaborative research	Students have enhanced skills by participating in training programs, workshops and worked on research projects.
35.	True Copy Credentials Pvt. Ltd. 102, Supreme Ikon, Baner Road, Pune 411007.	2015 – 2018	To improve student's academic and research aptitude.	Students developed new skills through seminars.
36.	B. G. Chitale Dairy Bhilawadi, Dist – Sangli	2015-2017	Training Research Development, Placement of Research Students of SCOE BT at B.G. Chitale Dairy and also to conduct outsource Laboratory work in the field of Dairy, animal breeding health & Genetic Improvement fields of Biotechnology	Students have enhanced skills by participating in training programs, workshops and worked on research projects.
37.	KLE University	2014 - 2017	To conduct training programs, workshops and research projects in collaboration	Students have enhanced skills by participating in training programs, workshops and worked on research projects.
38.	ICT (Former UDCT, Matunga)	2014 - 2019	Faculty, student exchange and collaborative research	Students got exposure to work in research field
39.	Bioved Pharmaceuticals Pvt. Ltd. India.	2014 - 2019	To provide services in testing and consultancy and collaborative research	Students got exposure to work in research field
<b>MBA Department</b>				
40.	Asian Management Training Centre	1st April 2017 Revised	Various Quality Management value added course.	Students will learn various technique and tools of quality Management Practices



## 14. Student Projects:

Sr. No.	Department	No of projects by students	
		UG	PG
1.	Chemical Engineering	40	6
2.	Civil Engineering	48	24
3.	Mechanical Engineering	85	46
4.	E&TC Engineering	90	67
5.	Computer Engineering	54	4
6.	Production Engineering	18	NA
7.	Information Technology	38	8
8.	Biotechnology	24	NA
9.	MBA	NA	58
Subtotal		397	213
Total		610	

## 15. Spoken Tutorial Project at SCOE:

Sinhgad College of Engineering is a focused on the overall growth of students. In the same view, a step was taken in association with IIT, Bombay through the Spoken Tutorial Project.

The Spoken Tutorial Project is about teaching and learning a particular FOSS (Free and Open Source Software) like Linux, Scilab, LaTeX, PHP &MySQL, Java, C/C++, and Library Office etc. via an easy Video tool - Spoken Tutorial. This is an initiative of National Mission on Education through Information and Communication Technology (ICT), launched by the Ministry of Human Resources and Development, Government of India to promote IT literacy through Open Source Software.

In the academic year 2016-17 students from Computer Engineering, Information Technology and Electronics and Telecommunication participated in various modules such as C, C++, JAVA, PYTHON, and LaTeX. The respective departments conducted the workshops and certification tests. It is my pleasure to share that total **387** students appeared for various modules and **351** got the success in getting the certification. The successful candidates were provided with a certificate from IIT Bombay, Spoken Tutorial Project.

The department wise results for various modules are as follows.

Electronics and Telecommunication				Chemical Engineering		
Module Name	Students Attended Workshop	Students Cleared Test		Module Name	Students Attended Workshop	Students Cleared Test
C	81	81		C	25	-
Linux	31	31		LaTex	12	1
Scilab	238	238				
<b>Total</b>	<b>350</b>	<b>350</b>		<b>Total</b>	<b>37</b>	<b>1</b>

## 16. Employability Skill Development (ESD) Program from Zensar:

### 1. Amcat Test

February 14-17, 2017 : SE students of all branches  
February 20-23, 2017 : TE students of all branches.

### 2. Gofigito (Group Discussion & Personal Interview Training)

19th and 20th Sept'2016

### 3. Employability Test :

Schedule of ETs is as follows :

16th August - ET 2  
19th August - ET 3  
29th August - ET 4

### 4. QALR Training

26 Dec 2016 to 29 Dec 2016

# **Annual Academic Audit Report**

## **Department of Biotechnology**

### **2016-17**

## • Vision

To develop proficient, skilled biotech engineers with knowledge of biology and foster Research, innovation and Entrepreneurship.

## • Mission

- To impart high quality graduate programme to develop proficient Biotech Engineers with excellent theoretical and practical skills
- To foster Research, Innovation and Entrepreneurship
- To create/provide/develop competent/skilled Biotech engineers of good caliber with high ethics, noble ideas and values

## • Quality Policy

We the faculty, committed to provide quality education to the students enabling them to excel in the fields of Science and Engineering to gratify the changing and challenging needs of the society and industry.

## • Goals

### • Long Term Goals

1. To develop world class center of excellence for Biotechnology engineering
2. To carry out biotechnology research of highest quality through global cooperation and to develop knowledge-rich highly skilled human resource

### • Short Term Goals

1. To Start M.Tech Biotechnology programme and research center for PhD students
2. To keep pace with technology and process through industrial training of faculty, staff and students
3. To fetch grants from funding agencies
4. To motivate the faculty for qualification up-gradation
5. To increase number of placement in biotech industries



## • Research Activities

### • List of Publications

#### A. Research Publications in Journals

Sr. No	Title of paper	Name of Publication	Impact factor	Citations of Paper
1	Lannea coromandelica attenuates glucagon and oxyntomodulin mediated cAMP formation in HEK cells stably-expressing human glucagon receptor	Journal of Herbal Medicine	1.554	1
2	DNA Methylation Analysis of Phenotype Specific Stratified Indian Population	Journal of Translational Medicine	3.93	31
3	Genome-wide analysis correlates Ayurveda Prakriti	Nature Scientific Report	5.578	45
4	Folate metabolic pathway single nucleotide polymorphisms: a predictive pharmacogenetic marker of methotrexate response in Indian (Asian) patients with rheumatoid arthritis	Pharmacogenomics	4.229	37
5	Lack of replication of association of THSD7A with obesity	International journal of obesity	5.15	1
6	Sonochemical formation of per acetic acids in a continuous flow microstructured reactor	Chemical Engineering Journal	4.321	17
7	Co-cultivation systems of marine organisms for the discovery of novel drugs	Journal of Microbial world	Nil	1

Sr. No	Title of paper	Name of Publication
1	Fungal-fungal interaction for screening of antimicrobial agents against human pathogens	International journal of current engineering and scientific research (IJCESR)
2	Novel approach towards isolation and purification of enzymes	Chemical Engineering towards Sustainable Development (CHEMCON 2016)
3	Isolation and Characterization of insect cell line for production of recombinant proteins	Chemical Engineering towards Sustainable Development (CHEMCON 2016)

4	Screening of <i>lactobacillus</i> from various sources for production of bactericins	International journal of research and scientific innovation
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### A. Remarkable achievements by faculty

Sr. No	Name of the faculty	Achievement
1	Dr. Kalpana S. Joshi	Invited speaker in International ISSFAL Congress, Stellenbosch, South Africa. 6 <sup>th</sup> -9 <sup>th</sup> Sep.2016
2	Dr. Kalpana S. Joshi	Chairman (BOS) of Biotechnology Engineering Department, SPPU, Pune. 27/9/16 onwards

### • FDPs/STTPs/Workshops/Conferences Organized

Department have organized following events in the academic year 2016-17:

#### 1. Workshop on Cell Culture Technique

Department of biotechnology in collaboration with Sinhgad Dental College & hospital has conducted a workshop on “Cell culture, on 17-19 Jan 2017. Dr. Kalpana Joshi actively initiated the framework for the workshop and delivered an expert lecture on recent advances in cell biology. Prof. Mr. J. K. Rajput was also involved in lecture series on ‘Basics of Cell biology’. Around 20 faculties and students participated in lab session and lecture series. Research students Ms. Geetanjali Javir and Mrs. Manisha Bachchhav successfully conducted lab sessions in the department of Biotechnology.



Workshop Inauguration ceremony



Dr. K.S. Joshi Delivering a talk in Workshop



Prof. J. K. Rajput Delivering a Lecture during cell biology workshop

Research student Ms. Geetanjali Javir conducting a practical session with participants

Sr. No.	Name of Faculty	STTP/Workshop/Conference Attended	Duration/Place
1.	Dr. S. J. Kulkarni	Tequip II Workshop on patent drafting and filing	17-19 March 2017 BVDU, Pune
2.	Dr. S. J. Kulkarni	Treatment of waste –Issues, Challenges and problem solving	27-31 March 2017 COEP, Pune
3.	Mrs. S. M. Kashid	IPR Strategies for Innovative research	13 <sup>th</sup> April 2017 SPPU, Pune
4.	Mr. J. K. Rajput	IPR Strategies for Innovative research	13 <sup>th</sup> April 2017 SPPU, Pune
5.	Mr. P. D. Jolhe	IPR Strategies for Innovative research	13 <sup>th</sup> April 2017 SPPU, Pune

### • R&D, Consultancies and Grants

Title of Project	Funding Agency	Faculty Incharge/s	Duration	Grant Sanctioned (inRs.)	Grant Received (inRs.)	Project completion (in %)
Supplementation of vitamin B <sub>12</sub> to improve B <sub>12</sub> :Folate ratio in pregnancy and its effect on birth outcomes.	DHR-ICMR	Dr. K. S. Joshi	2 Year	16,01,250	Sanctioned on 19/9/16	20%
Bio prospecting and optimization of extraction of Trans-Resveratrol: Commercially important anti-aging, antioxidant polyphenol	BCUD	Dr. K. S. Joshi, Dr. S. J. Kulkarni	-	2,30,000	Sanctioned on 28/8/2016	30%

Novel Method for Biofuel Production & Bioseparation Using deep eutectic solvents	BCUD	Mr. P. D. Jolhe	1 Year	1,20,000	Sanctioned on 28/8/2016	30%
Synthesis of Nanoparticles using plant extract in micro reactor	BCUD	Mr. P. D. Jolhe		1,40,000	NIL	20%

### • University Results

- Give the Percentage of university results without backlog / ATKT for the last four years

$$\% \text{ Result} = \frac{\text{No. of students passed without backlog / ATKT}}{\text{No. of students appeared for exam}}$$

Year	Previous P (2015-16)	P-1 (2014-15)	P-2 (2013-14)	P-3 (2012-13)
Second Year	83.33	90.56	100	78.43
Third Year	86.43	70.17	96.66	88.67
Final Year	98.21	98.18	98.18	97.87

### • University Rank Holders

Sr. No.	Year	No of students
1	S.E	10
2	T.E	10
3	B.E	10

### • GATE – 2016 Qualified Students

Sr. No.	Name of the Student	Gate Score/Rank
1	Praveen Kiwale	37.08/1470
2	Himanshi Pandita	50.35/438
3	Suraj Jathar	38.36/1346
4	Yash Parekh	45.04/752

**Note: Qualifying marks for general category: 27.00**



• Value Addition Programs (VAP) conducted

Sr. No.	Department	Title	Conducted by	Duration From - To	No. of Students Enrolled
1.	Biotechnology	Immunological Diagnostics	Resource person from Medox	9-10 Feb 2016	50

• Expert Sessions Organized

Sr. No.	Activity Name	Resource person/organized by/ sponsored by	Date of Conduction
1	Workshop on Bioprocess Modeling and simulation using MATLAB	Mr. Sumeet Asrani	19 -21 Sept.2016

• Guest Lectures Organized

Sr.no.	Expert name	Date
1	Dr. Asmita Prabhune, Scientist, NCL, Pune	26-7-2016
2	Dr. Shrikant Pawar, NCCS, Pune	28-7-2016
3	Dr. Pradeep Dhotey, Asst. V.P. , Praj, Pune	20-09-2016
4	Dr. Anil Lakhe	17-1-2017
5	Dr. Anjali Apte Deshpande	03-02-2017
6	Dr. Ram Sathaye	06-02-2017
7	Dr. Durba Sengupta	16-02-2017

• Memorandums of Understanding (MoUs)

Name of Company	Date of MOU	Objectives
CMI Copenhagen, Aalborg University, Denmark and STES	2016-2020	Faculty, student exchange and collaborative research
Mersion School (Academic Collaboration)	2016 – 2017	To provide services in testing and consultancy and collaborative research

True Copy Credentials Pvt. Ltd. 102, Supreme Ikon , Baner Road, Pune 411007.	2015 – 2018	To improve student's academic and research aptitude.
B.G.Chitale Dairy Bhilawadi , Dist -Sangli	2015- 2017	Training Research Development, Placement of Research Students of SCOE BT at B.G. Chitale Dairy and also to conduct outsource Laboratory work in the field of Dairy, animal breeding health & Genetic Improvement fields of Biotechnology
KLE University	2014 - 2017	To conduct training programs, workshops and research projects in collaboration
ICT (Former UDCT, Matunga)	2014 - 2019	Faculty, student exchange and collaborative research
Bioved Pharmaceuticals Pvt. Ltd. India.	2014 - 2019	To provide services in testing and consultancy and collaborative research

### • Industry Liaison

Department has close liaison with biotech industries which can be strengthened with the help of Industry-Institute Interaction Cell (I<sup>2</sup>IC) and Industrial Visits.

#### ➤ Industry-Institute Interaction Cell

Objectives of Industry Institute Interaction Cell:

- To arrange Guest lecturers in various domain of interest
- To work as External examiner for U.G. Project work
- To provide Internship to desired students
- To work as a Technical adviser in students projects.
- To help in syllabus revision based on industry need.

List of Industry Cell Members:

Sr. No.	Name of eminent academicians, scientists, visitors	Affiliation	Contact Details
1	Mr. Pradip Dhotey	Asst. vice President Praj Industries Ltd., Pune	pradeep.dhotey@gmail.com 9890300387
2	Mr. Saurabh Batwal	Executive Officer Serum Institutes, Pune	swsaurabh@gmail.com 8087683496
3	Dr. Manish Pungliya	Founder MD, AyuGen Biosciences Pvt. Ltd., Pune	mpungliya@ayugen.com 9860065758
4	Dr. Rajesh Gupta	Senior Scientist, Lupin Research Park,Pune	guptaraj.91@gmail.com 9890057906



**Inauguration of the Program**



**Interaction with Students**

### • Industrial Visits

Year	Class	Name of the organization visited	Purpose of Visit	Group to be balanced
23 March 2017	SE	B.G. Chitale Bhilawadi, Dist.- Sangli	Visit to Chitale dairy plant	Fermentation Technology, Biochemical Engineering



**Chitale Dairy plant, Bhilawadi**

## • Projects Completed by the Students

### Under Graduate Students:

Year	In-house	Sponsored
BE	14	10

## • Students' Achievements

### ➤ Co-Curricular Activities:

Sr. No.	Name of Student	Title of Competition	Organizer	Prize/Rank
1	Sukhada Mukte	Oral/ Poster presentation	CHEMCON 2016, Anna university, Chennai 27-30 Dec. 2016	Participated
2	Sojal Sharad Mahajan	Oral/ Poster presentation	3rd interaction conference on multidisciplinary research and practice, Ahemadabad Management Association, Gujrat, 24 Dec. 2016	Participated
3	Rewa Kulkarni	Research competition	Avishkar 2016, VIIT, Pune.	Participated
4	Rewa Kulkarni	Oral/ Poster presentation	CHEMCON 2016, Anna university, Chennai 27-30 Dec. 2016	Participated
5	Sriya Kamlapurkar	Oral/ Poster presentation	CHEMCON 2016, Anna university, 27-30 Dec. 2016	Participated
6	Sriya Kamlapurkar	Research competition	Avishkar 2016, VIIT, Pune.	Participated
7	Neha Prabhudesai	Research competition	Avishkar 2016, VIIT, Pune.	Participated
8	Neha Prabhudesai	Oral/ Poster presentation	CHEMCON 2016, Anna university, 27-30 Dec. 2016	Participated
9	Meghana Teli	Oral/ Poster presentation	3rd interaction conference on multidisciplinary research and practice, Ahemadabad Management Association, Gujrat, 24 Dec. 2016	Participated



Sr. No.	Name of Student	Title of Competition	Organizer	Prize/Rank
10	Meghana Teli, Isha Mahajan	International Journal Publication	Screening of <i>lactobacillus</i> from various sources for production of bactericins, Internantinal journal of research and scientific innovation, Vol 4 issue 1, Dec. 2016, pp 296-299	Participated
11	Isha Mahajan	Oral/ Poster presentation	3rd interaction conference on multidisciplinary research and practice, Ahemadabad Management Association, Gujrat, 24 Dec. 2016	Participated
12	Gauri Vaidya	Oral/ Poster presentation	CHEMCON 2016, Anna university, 27-30 Dec. 2016	Participated
13	Gauri Vaidya	Oral/ Poster presentation	Avishkar 2016, VIIT, Pune.	Participated

## Extra-Curricular

### 1] Cultural

Sr. No.	Name of student	Event	Organizer	Prize/Rank
1	Vaibhav Wasankar	Thearter Competition, Vedant Karandak	B. J. Medical, 8/9/16	1 <sup>st</sup> Winner
2	Vaibhav Wasankar	Asititva short film making competition,	BMCC College 23/8/16	2 <sup>nd</sup> Winner
3	Vaibhav Wasankar	District level Thearter Competition Indradhanushya	SPPU, Pune 27/9/16	2 <sup>nd</sup> Winner
4	Vaibhav Wasankar	Asititva vadyalankar (Instrumental)	BMCC23/8/16	Finalist
5	Vaibhav Wasankar	State level short film competition , Nasik	ABVP 28/9/16	Entered into Top 10
6	Manav Tupe	Drama	Firodiya Karandak	-
7	Rohit Khandagale	Drama	Firodiya Karandak	-
8	Kajal Patil	Dance	Sinhagad Karandak	-
9	Sharayu Jagatap	Dance	Sinhagad Karandak	-
10	Sidhhi Thakare	Fashion Show	Sinhagad Karandak	-

Sr. No.	Name of student	Event	Organizer	Prize/Rank
11	Mrunal Sali	Fashion show	Sinhgad Karandak	-
12	Vanshika Mishra	Fashion show	Sinhgad Karandak	-
13	Sudhan Dhavale	Fashion show	Sinhgad Karandak	-
14	Shruti Bakshi	Stage Play	Sinhgad Karandak	-
15	Ateet Rathi	Stage Play	Sinhgad Karandak	-

## 2] Sports

Sr. No.	Name of student	Activity	Organizer	Prize/Rank
1.	Rewa Kulkarni	Throwball	Sinhgad Karandak 2016-17	Winner
2.	Sriya Kamlapurkar	Throwball	Sinhgad Karandak 2016-17	Winner
3.	Revati Kadolkar	Basketball	Sinhgad Karandak 2016-17	Winner
4.	Revati Kadolkar	Basketball	NEsswadiya college of Commerce, Pune, 4 Feb. 2017	2nd Prize
5.	Revati Kadolkar	Basketball	Cummins college of Engineering, 19-22 Feb.2017	2nd Prize
6.	Rajani Dombale	Relay	Sinhgad Karandak 2016-17	Runner up
7.	Rajani Dombale	110 m Hurdles	ZEST 2017, COEP, Pune	Winner
8.	Aarti Gujar	Cricket	Sinhgad Karandak 2016-17	Winner

## • Student Activities

At Department of Biotechnology, student activities are divided in three parts.

1. Sinhgad Students' Council (SSC).
2. Techtonic- Annual technical festival organized under Sinhgad Karandak.

Here is the summary of activities carried out in the department related to these sections.

### 1. Sinhgad Student's Council (SSC)

Sr. No	Name of Event	Name of Club	Date of Conduction	Name of Resource person and organization
1	Engineers Day Function	(Biotech Club)	5 <sup>th</sup> Sept 16	1) Dr. Smita Lele (ICT, Matunga) 3) Mr. Pradeep Dhotey, (Praj Matrix, Pune)
2	Biowar-Quiz competition	Biotech Club	17 <sup>th</sup> March 2017	Quiz was organized between S.E. and T.E. Biotechnology Students Prizes were given for first two Ranker teams.
3	Petri Plate Art	Biotech Club	22 <sup>nd</sup> -23 <sup>rd</sup> March 2017	This fun competition was organized to test Biotechnology student's Microbiology Practical Handling skills. Two prizes were given for Best Petri art.

### Engineers Day Function:



Engineers Day function Chief guest Dr. Smita lele with head of department Dr. Kalpana joshi



Students eagerly listening to guest lecture by Dr. Smita lele

### Biowar Quiz Competition



Quizmaster conducting the further rounds of Quiz.



Participants solving the preliminary round questions of the quiz.

### Petri Plate Art competition



Participants streaking the agar plates.



Petri plate designs of the 1<sup>st</sup> 3 ranks. (Left to right)

## **2. Techtonic- Annual technical festival organized under Sinhgad Karandak**

- **“Crime Scene Investigation” Competition - Techtonic 2017**

The event **“Crime Scene Investigation”** organized by Biotechnology Department was started at **8.30 am** on **9 February 2017, Thursday**. The event was organized at **IT Department(C3 building classroom no 6 and 7) and Biotechnology Department(D1 building Preparation lab, Biochemistry lab, Molecular biology lab)**. The **total no of participants** were **46 teams**(by **Biotech Department**) ,from which STES participants were **45 teams** , the Non STES participants from Savitribai Phule Pune University was **1 team** and from other universities were **0**.

- **Total no. of students through 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> elimination round**

The total number of teams in first round were 46. Of these 23 qualified for second round. of these 4 teams qualified for third round. Two top scoring teams qualified for winner and runner up team respectively.

- **Event description (Ambience, Format, Summary).**

This Technical event Crime Scene Investigation took place in Department of Biotechnology and Department of Information Technology Respectively. In first round crime scenes were made in these classrooms. Second round was conducted in biotechnology department preparation lab and biochemistry lab. two darkrooms with space for four teams to compete simultaneously were made in these rooms. students had to hunt for clues in dark and crack a code. third round was live crime scene round. spaces on cultural centre, between c1-c2 building, lipton and skn parking were utilized with all other classrooms and labs. There were no judges for this event. Winners were felicated by Biotech department faculty Prof. P.D Jolhe. This event was concluded at **10.30 am on 12 feburary 2017, sunday**. Follwed by prize distribution to the winner and runner up.(As per the score sheet)The vote of thanks was given by Prof P.D Jhole.

The **winner VAIBHAV TODKAR from SINHGAD COLLEGE OF ENGINEERING** and the **runner-up VARUN NAMJOSHI from SINHGAD COLLEGE OF ENGINEERING** was finalized.





The winners with Biotech department faculty in charge Prof P.D Jolhe.



The winners with Information Technology department faculty coordinator.



CSI event volunteers after Prize distribution with biotech and IT faculty.



CSI event first round.

- **“CLASH OF MINDS” Competition- Techtonic 2017**

The event “**CLASH OF MINDS**” organized by the Biotechnology Department was started at **9am** on **9<sup>th</sup> of Feb 2017**. The event was organized at **D1 Building Room no 20**. The **total no of participant teams** was 29 (team of two), from which STES participant teams were 27, the Non STES participant teams from Savitribai Phule Pune University were 2 and from other universities were 0.

**Total number of students through 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> elimination Round:**

The total number of teams in the first round were 29, of these 20 were qualified for the 2<sup>nd</sup> round, of these 12 teams qualified for the 3<sup>rd</sup> round, of these 4 teams were selected for the final round. The two top scoring teams won the prizes for the first place and runner up respectively.

- **Event description (Ambience, Format, Summary).**

Clash of Minds is a quiz event, to make the quiz interesting we asked students questions related to their choice of interest!

Being a technical event we also judged the students on their technical knowledge!

And the best 4 teams went to the final!

The judges were Dr. Mrs. **S. J. Kulkarni & Prof. Mrs. S. M. Kashid**. This event was concluded at **D1 Building Room no 20, on 12<sup>th</sup> Feb 2017 at 11am**, followed by prize distribution to the winner and runner up (As per the score sheet of the Judges).The vote of thanks was given by **Akshay Bhamare**.

The winners **Noamaan Shaikh And Sarang Gosavi, both from NBN college** and the runner-ups **Priti Chavre And Priyanka Bhor, both from SCOE** were finalized.



**Prize distribution to the Winner by Prof. M.V.Dicholkar**



**Image Description: Prize distribution to the Winner by Prof. M.V.Dicholkar**



**Winners and Runner Ups With Felicitor And Event Heads**



**Judge Prof.Mrs. S. M. Kashid Judging the participants during Surprise Round(Group Discussion)**



**All Volunteers With Event Coordinator  
Prof.Mrs.S.M.Kashid**



**Winners and Runner Ups With Prof.  
Mr.PrashantThorat**

- **“BAMBOOZLE” Competition-Tectonic 2017**

The event **“BAMBOOZLE”** organized by the biotechnology department was started at **9:00AM** on **9 Feb 2017,Thursday**. The event was organized in front of **Department of Biotechnology, D1 building, SCOE, Vadgaon(BK)**.

The **total no. of participants** were **54**,from STES were **48**,non STES participants from Savitribai Phule Pune University were **6** and from other universities were 0.

- **Total no. of students through 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> rounds:**

In round 1 total teams participated were 54.Of these, 27 qualified for the second round. Of these, 4 teams were qualified for final round on basis of top scores. The 2 teams who completed the tasks given to them in final round first were titled as winner and runner-up and awarded respectively.

- **EVENT DESCRIPTION (Ambience, Format, Summary):**

The event was organized in front of Department of Biotechnology, D1 building, SCOE, Vadgaon (BK).

First round of competition comprised of twelve teamwork games, out of which participants had to play 3 games by lottery. 2 teams competed each other on the same 3 games they played and the team which scored the highest points were qualified for round 2.

Round 2 was puzzle round in which different puzzles were made and participant had to crack that puzzle in required time period. Those teams which solved the puzzles in least time period were qualified for final round.

Final round was Jigsaw Hunt.Four teams were qualified for final round. In this round the pieces for jigsaw puzzles were kept at different Machinery/models (e.g. DNA model in biotech department) in the campus and participants were given technical clues (e.g. It stores biological data of humans) to find the place and get the pieces. Then they had to solve the jigsaw puzzle and solve the scientific questions formed on the jigsaw puzzle. The team which did all these tasks in least time period won the competition.

There were no judges for this event. The event was concluded at **11:00AM** on **12<sup>th</sup> Feb 2017, Sunday**, followed with the prize distribution to winner and runner-up teams. The vote of thanks was given by Prof. Sneha Deshpande.



The winners Shrikant Pawle, Sujit Wayal from Sinhgad College of Engineering and the runner-up Babasaheb Korade, Shrihari Naik from Sinhgad College of Engineering was finalized.

### Photographs:

**BAMBOOZLE**



Volunteer Explaining participants about 'round 2' puzzles

**BAMBOOZLE**



Participants solving the puzzle of 'round 3'

**BAMBOOZLE**



The photo of winner with faculty in-charge Prof. Sneha Deshpande

**BAMBOOZLE**



The photo of runner-up with faculty in-charge Prof. Sneha Deshpande



# **Annual Academic Audit Report**

## **Department of Chemical Engineering**

### **2016-17**

## • VISION:

To be a recognized undergraduate chemical engineering programme and a center of excellence that nurtures innovations in chemical engineering education and research.

## • MISSION:

Holistic development of students and teachers is what we believe in and work for. We strive to achieve this by imbibing an unique value system, transparent work culture, excellent academic and physical environment conducive to learning, creativity and technology transfer. Our mandate is to generate, preserve and share knowledge for developing a vibrant Society.

## • QUALITY POLICY:

Quality Policy aims to establish centre of excellence for technical education and research in Engineering & Technology by way of;

- Inducting faculty having sound knowledge in the field of Science and Engineering and to make special efforts to retain them.
- Proven good results and admitting quality students.
- Developing human capital by supporting talent, ideas and energies of outstanding individuals.
- Promoting partnerships with the quality institutes like IITs', IISc, etc. , research organizations like ARAI, NCL, C-DAC, etc. & prominent corporate houses.

Developing excellent teaching learning process by establishing cohesive bond between students & faculty and healthy atmosphere with decent discipline.

## • GOALS:

### • Long Term Goals

5. To establish Research Centre as Centre of Excellence in Engineering Research and Development
6. To seek Academic Autonomy leading to University status
7. To develop an Engineering Knowledge Centre of Society in general
8. To develop the institute in focused areas like Information Technology, Biotechnology, Energy, Materials etc.

### • Short Term Goals

4. To add new Post Graduate and Ph.D. programs
5. To motivate and deputefaculty for Doctoral Programs
6. To improve the interaction with institutes of national and international repute and industries from various fields of engineering

## • Research Activities:

### a. University / College sponsored ongoing projects undertaken by faculty

Sr. No	Title	Grant sanctioned (Rs.)
1	Synthesis of nanoparticles in microreactor by using plant extract	1,40,000/-
2	Kinetic, Mass Transfer & Optimization Studies on Extraction of Eugenol from Eugenia Aromaticum (Clove)	2,30,000/-

### b. Student ongoing Research Projects

Sr. No	Title	Sponsoring agency
1	Study of Shelf Life & Process Intensification of Jaggery Manufacturing	IIT BOMBAY
2	Studies on Leaf Litter Biomass As Feedstock Gasification	IIT BOMBAY
3	Development of Bismuth Sulphide Quantum Dots In Silicate Glass Matrix	C-MET, Pune

## • List of Publications –

### a) Research Publications – Journals :

Sr. No.	Department	Number of Publications
1.	Chemical Engineering	12

### • Research publications in Journals notified on U.G.C. Website

Sr. No	Title of Paper	Name of Publication
1	Studies on Synthesis of TFC-RO Membranes and their Applications in Water Industry	Journal of Advances in Engineering and Science, Vol. 13 Issue 02, P.P. 01-04, 2016.
2	Synthesis, Characterization of Doped Zinc Oxide Nanostructure and its Photocatalytic Application”,	Journal of Advances in Engineering and Science, Vol. 13 Issue 02, P.P. 08-10, 2016.

3	Thermodynamic Consideration of Hydrolysis of Cellulose to Glucose Under Liquid to Semi-liquid Conditions	Journal of Advances in Engineering and Science, Vol. 13 Issue 02, pp. 18-21, 2016.
4	Thermodynamic Considerations of Pretreatment of Lignocellulose to Cellulose Under Biomass Liquid and semiliquid Conditions	Journal of Advances in Engineering and Science, Vol. 13 Issue 01, pp. 37-40, 2016.
5	Kinetic Model for Extraction of Betulic Acid by Batch Extraction from Leaves of Syzygium cumini (Jamun)", Novel Water Treatment and Separation Methods - Simulation of Chemical Processes	Apple Academic Press, January 2017.
6	A Novel Approach For Continuous Synthesis Of Calcium Carbonate Using Sequential Operation Of Two Sonochemical Reactors	Ultrasonics sonochemistry 35, pp. 124-133 Impact Factor: 7.2 Citations: 16
7	Halloysite nanocontainers for controlled delivery of Gibberellic Acid	Russian Journal of Applied Chemistry 90 (1), pp. 120-128
8	Study of Extraction of Tannic Acid from Emblica Officinalis (Amla)	International Journal for Scientific Research & Development 4 (5), pp. 1070-1072
9	Recent Advances in Extraction of Bioactive Ingredients from Medicinal Plants	Imperial Journal of Interdisciplinary Research 2 (8)
10	Experimental and Modeling Studies on Extraction of Eugenol from Cinnamomum Zeylanicum (Dalchini)	International Journal of Science Technology & Engineering 2 (11), pp. 831-835
11	Studies on Synthesis of TFC-RO Membranes and their Applications in Water Industry	Journal of Advances in Engineering and Science, Vol. 13 Issue 02, P.P. 01-04, 2016.
12	Intensification of extraction of curcumin from Curcuma amada using ultrasound assisted approach: Effect of different operating parameters	Ultrasonics sonochemistry 38, pp. 437-445

**b) Research Publications – Conferences:**

Sr. No.	Department	Number of Conferences
1	Chemical Engineering	12

Sr. No	Title
1	Kapil Sathe, Shrikant Barkade, S. H. Sonawane, Bharat Kale, "Studies on Synthesis of Novel Polymer Based Composites and their Applications" in 'Promising and Innovative Young Chemical Engineers Conference', March 2017. pp. 70-71.
2	Kapil Sathe, S. S. Barkade, S. H. Sonawane, Bharat Kale, "Synthesis, Bio-degradability, Recent Applications and Future Scope of Poly (aspartic acid): A Review" in 'International Conference on Sustainable Development for Energy and Environment', CSIR-National Chemical Laboratory, Pune, January 2017.
3	V. S. Ashtekar, "Sonochemical Synthesis of Cu doped ZnO Hexagonal Nanodisks With Superior Photocatalytic Activities", International Conference of Go Green held at Chandmal Tarachand Bora College, Shirur, India.
4	Viraj thorawade, Satvik Dhumal, P. L. V. N. Saichandra, "Graphne oxides and its Nanocomposites for removal of heavy metals from wastewater", in Promising and Innovative young Chemical Engineers (PICE-2017) conference at AISSMS COE Pune.
5	Chaitra Jogi, Suvidha Khaire, P. L. V. N. Saichandra, "Removal of hexgvalent chromium from wastewater by using various adsorbents", in Promising and Innovative young Chemical Engineers (PICE-2017) conference at AISSMS COE Pune.
6	Vaishnavi Khavare, Reshma Kunjir, P. L. V. N. Saichandra, "Removal of Dyes from waste water using agricultural waste as adsorbents , in Promising and Innovative young Chemical Engineers (PICE-2017) conference at AISSMS COE Pune.
7	Dhanashree Kandalgaoukar, P. L. V. N. Saichandra, "Photocatalytic degredation of dye in aqueous suspensions" in Promising and Innovative young Chemical Engineers (PICE-2017) conference at AISSMS COE Pune.
8	Viraj Thorawade, Shikha Gupta, Pankaj Thorat, P. L. V. N. Saichandra, "Advanced metal organic framework mixed matrix membrane for CO <sub>2</sub> -CH <sub>4</sub> Separation and their performance: A Review " in SCHEMCON at BVRIT, Hyderabad, India, September 2016
9	Prerna Revankar, Shivani Berad, "Reviwe on adsorption of lead using various natural adsorbents" in SCHEMCON at BVRIT, Hyderabad, India, September 2016
10	Vivek Chavan, Gunjal Chaudhari, "Smart Aerogel and its application" in SCHEMCON at BVRIT, Hyderabad, India, September 2016
11	Ajinkya Shinde, Pankaj Sarak, "Reviw of removal of hardness of water using various natural adsorbents" in SCHEMCON at BVRIT, Hyderabad, India, September 2016



12	J. G. Gujar, S. M. Chavan, “Novel Methods of extraction of Eugenol from Eugenia Aromaticum (Clove buds)”, in INNOVATION-16, at JSPM, Tathawade, Pune, October 2016.
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a. No. of Faculty participation in Seminars / Conferences / Symposia etc.

Sr. No	Title	International Level	National level
1	Attended only	02	07
2	Presented Papers	03	05

## • University Results:

- Give the Percentage of university results without backlog / ATKT for the last four years

$$\% \text{ Result} = \frac{\text{No. of students passed without backlog/ATKT}}{\text{No. of students appeared for exam}}$$

Year	Previous P (2015-16)	P-1 (2014-15)	P-2 (2013-14)	P-3 (2012-13)
Second Year	61.72	82.43	72.83	56.41
Third Year	60.24	77.77	52.27	54.54
Final Year	87.05	91.66	84.28	89.23

Sr. No.	Department	Semester – II Results (%)		
		SE	TE	BE
1.	Chemical Engineering	57.31	80.00	94.87

## • Value Added courses and Expert Sessions

### ❖ Value Addition Programme

Sr. No	Department	Title	Conducted by	Duration (From – To)	No. of Students Enrolled
1	Chemical Engineering	Flowsheeting and Process Development	Probacus Engineering Solutions Pvt Ltd	19 <sup>th</sup> -21 <sup>st</sup> Sept. 2016	62

### ❖ Guest Lectures

Sr. No.	Name of the Resource Person	Designation	Name of the Organization	Topic	Date of Conduction
1.	Ms. Shubhangi Vadjekar	Process Engineer	Chemsys Process Engineering Pvt. Ltd., Pune	Block Diagram to P&ID	28/07/2016
2.	Mr. Ameya Ekbote	Trainee Engineer	Chemsys Process Engineering Pvt. Ltd., Pune	Simulation Software in Process Engineering	28/07/2016
3.	Mr. SV.Naik,	Consultant	Aniruddha Engineering, Pune	Process Engineering	30/09/2016
4.	Dr. Manik Deosarkar,	Associate Professor	Vishwakarma Institute of Technology, Pune	Rheology and Rheometrics	09/09/2016
5.	Dr. S.H. Gharat,	Professor	Gharda Institute of Technology, Chiplun	Granular Material and it's Applications	26/09/2016
6.	Mahendra Khatte	Principal Engineer (Process)	Essar Projects (I) Ltd. Mumbai	Process Flow Diagrams and P&ID Diagrams	27/09/2016
7.	Dr. B.A. Bhanvase	Associate Professor	Laxminarayan Institute of Technology, Nagpur	Studies on Polymer Nanocomposites by insitu emulsion Polymerization with and without ultrasound Techniques	27/09/2016

8.	Mr. Asif Shaikh,	Technology Professional-Process	KBR, Pune	MOM Systems	30/09/2016
9.	Mr. Girish Gund,	Team Manager	Deutsche Bank Group	Guidance for Preparation for Interviews	30/09/2016
10.	Mr. S.V. Naik	Consultant	Aniruddha Engineering Consultancy	Process Design Engineering	17/01/2017
11.	Mr. Anil Chavan	Manager	Alfa Laval, Pune	Heat Transfer & Optimization	13/02/2017
12.	Mr. Mayuresh Dronkar	Assistant Manager	Marcuras Water Treatment Plants India Pvt. Ltd., Pune	Water Treatment Practices	13/02/2017
13.	Ms. Manjushri Vaidya	Executive	Priora Water Solutions Company, Pune	Water Treatment Plants	13/02/2017
14.	Mr. Rahul Deo	Manager	Priora Water Solutions Company, Pune	Water Treatment Plants Career in Water Treatment Industry	13/02/2017
15.	Mr. Ankit Mehra	CEO & Co-founder	GyanDhan, New Delhi	Financing studies Abroad	16/03/2017

### • Memorandum of Understanding (MoUs):

Sr. No.	Department	No of MoUs
1	Chemical Engineering	01

Sr. No.	Date of MOU	Name of the Industry/Organization	Purpose	Outcome
1	1/04/2016	Rashtriya Chemicals and Fertilizers Ltd, Thal Unit, Alibag	To provide knowledge in terms of training in the field of Chemical Engineering, Unit operations, Unit Processes etc. disciplines with a special focus on overview, general introduction, process operation, trouble shooting and equipment details in the process plants to its students	After training students will learn theoretical and practical aspects related to following points <ol style="list-style-type: none"> <li>1) Overview of unit operations, Unit processes, pumps and compressors.</li> <li>2) Troubleshooting in the plants etc.</li> </ol>

## • Industrial Visits:

Sr. No.	Department	No. of Industrial Visits
1	Chemical Engineering	04

Sr. No	Date of Visit	Name of the Industry / Organization	Location	Objective	Outcome
1	07/09/2016	Katraj Dairy, Pune.	Pune	An opportunity to get exposure to the real workstations, plants, machines and systems. Opportunity to get the senior functional experts / supervisors to explain about company functions.	Recognize the process units – Boiler, Pump, Condenser, Steam turbine, Generator, Electrostatic precipitator, Pulveriser, Reclaimer. Generate the process flow diagram. Identify input and output for the process. Experience the importance of working safety.
2	26/09/2016	Kleenair Systems Pvt. Ltd.	Piragut, Pune	An opportunity to get exposure to the real workstations, plants, machines and systems. Opportunity to get the senior functional experts / supervisors to explain about company functions.	Demonstrate the applications of chemical/biochemical engineering concepts and principles learned in classroom. Illustrate processes and products manufactured in the chemical/biochemical industries. Develop awareness of the engineering and technological aspects in the chemical industries.
3	23/01/2017	Pune Techtrol Private Limited',	MIDC Bhosari, Pune	Acquaint Students with Interesting Facts and Newer Technologies. Practical application of instruments handled during course curriculum.	Demonstrate the applications of chemical/biochemical engineering concepts and principles learned in classroom. Illustrate processes and products manufactured in the chemical/biochemical industries. Develop awareness of the engineering and technological aspects in the chemical industries.
4	30/03/2017	Giiava (I) Pvt. Ltd,	Wai, Dist- Satara	Company tour to understand the end-to-end process at all levels. Expert briefing about the functioning of machines and systems.	Demonstrate the applications of chemical/biochemical engineering concepts and principles learned in classroom. Illustrate processes and products manufactured in the chemical/biochemical industries. Develop awareness of the engineering

					and technological aspects in the chemical/biochemical industries.
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❖ **Photographs of Industrial Visit**



**Photograph of Industrial Visit at Katraj Dairy with Students**



**Photograph of Industrial Visit at Kleenair System with Students**



**Photograph of Industrial Visit at Techtrol Private Limited with Students**

● **Student Projects:**

Sr. No.	Department	No of Projects by Students	
		UG	PG
1.	Chemical Engineering	40	6
<b>Total</b>		<b>46</b>	



• Students Internship details:

Sr. No.	Department	No of Internship by students	
		UG	PG
1.	Chemical Engineering	78	--
Total		78	

Sr. No.	Name of the student	Class	Course	Name of the company	Duration (Days)	Period (From)	Period (To)
1	Aakanksha Maheshwari	BE	2012	Shree Cement Ltd., Bewar, Rajasthan	6	8/12/2015	13/12/2015
2	Tandel Sayali Rajendra	BE	2012	RCF, Thal	10	1/06/2016	10/06/2016
3	Ghodekar Aditya Nivrutti	BE	2012	Oil and Natural Gas Corporation , Uran, Mumbai	15	21/06/2016	5/07/2016
4	Bapat Charuta Akshay	BE	2012	Metito Pollution Control Ltd., Pune	18	30/05/2016	17/06/2016
5	Bedadur Prachiti Ravindra	BE	2012	Thermax Limited, Pune	10	1/06/2016	10/06/2016
6	Bokad Suchita Kaluram	BE	2012	Thermax Limited, Pune	10	1/06/2016	10/06/2016
7	Dhawale Sangharsh Anil	BE	2012	Jawaharlal Nehru Aluminium Research Development and Design Centre, Nagpur	14	30/05/2016	13/06/2016
8	Kalambe Shubham Ashokrao	BE	2012	Jawaharlal Nehru Aluminium Research Development and Design Centre, Nagpur	14	30/05/2016	13/06/2016
9	Fazal Ameen Hamid Akhtar	BE	2012	Jawaharlal Nehru Aluminium Research	14	30/05/2016	13/06/2016

				Development and Design Centre, Nagpur			
10	Kirde Roshan Ravindra	BE	2012	Jawaharlal Nehru Aluminium Research Development and Design Centre, Nagpur	14	30/05/2016	13/06/2016
11	Tushar Solanke	BE	2012	Jawaharlal Nehru Aluminium Research Development and Design Centre, Nagpur	14	30/05/2016	13/06/2016
12	Sakhare Mrunal Arvind	BE	2012	Jawaharlal Nehru Aluminium Research Development and Design Centre, Nagpur	14	30/05/2016	13/06/2016
13	Deshmukh Jay Sandeep	BE	2012	Megafine Pharma Pvt. Ltd., Nashik	10	1/06/2016	10/06/2016
14	Deshpande Dipti Shrikant	BE	2012	Navin Flourine International Ltd.	12	30/05/2016	10/06/2016
15	Divyesh Padsumbiya	BE	2012	Cadilla Healthcare Division, Ahmedabad	12	1/06/2016	12/06/2016
16	Gapat Pranita Bibhishan	BE	2012	Katraj Dairy, Pune	8	17/06/2016	25/06/2016
17	Gawande Kalyani Nandkishor	BE	2012	Katraj Dairy, Pune	9	16/06/2016	25/06/2016
18	Adekar Sunil Bajirao	BE	2012	Katraj Dairy, Pune	6	18/06/2016	23/06/2016
19	Kulkarni Nayana Ravindraro	BE	2012	Katraj Dairy, Pune	8	17/06/2016	25/06/2016
20	Patel Sajida Abdulsattar	BE	2012	Katraj Dairy, Pune	7	18/06/2016	27/06/2016
21	Thakre Swapnil Manohar	BE	2012	Katraj Dairy, Pune	7	18/06/2016	27/06/2016
22	Thokal Pranavkumar Malhari	BE	2012	Katraj Dairy, Pune	7	18/06/2016	27/06/2016
23	Potdar Akshay Vilas	BE	2012	Katraj Dairy, Pune	7	18/06/2016	27/06/2016
24	Pujari Sunanda Mallinath	BE	2012	Katraj Dairy, Pune	7	18/06/2016	27/06/2016
25	Salunkhe Sankita Kumar	BE	2012	Katraj Dairy, Pune	7	18/06/2016	27/06/2016

26	Juhi Garg	BE	2012	Reliance Industries Ltd., Patalganga	13	30/05/2016	12/06/2016
27	Kadam Abhishek Jaywant	BE	2012	Inventys research Company, Nagpur	12	1/06/2016	12/06/2016
28	Gaikwad Sandesh Rohidas	BE	2012	Inventys research Company, Nagpur	12	1/06/2016	12/06/2016
29	Gurav Rohit Raghunath	BE	2012	Inventys research Company, Nagpur	12	1/06/2016	12/06/2016
30	Shirode Keval Sanjay	BE	2012	Inventys research Company, Nagpur	12	1/06/2016	12/06/2016
31	Shigwan Tushar Tukaram	BE	2012	Inventys research Company, Nagpur	12	1/06/2016	12/06/2016
32	Malek Mohammad Mahir Abdul Gani	BE	2012	GHCL Limited, Sutrapada, Gir Somnath, Gujrat	14	31/05/2016	13/06/2016
33	Satav Kiran Nandkumar	BE	2012	Thermax Limited, Pune	10	1/06/2016	10/06/2016
34	Satoskar Ankita Narayan	BE	2012	Thermax Limited, Pune	10	1/06/2016	10/06/2016
35	Tamboli Juveriya Akbarbhai	BE	2012	Thermax Limited, Pune	10	1/06/2016	10/06/2016
36	Pote Vaishnavi Vijay	BE	2012	Thermax Limited, Pune	10	1/06/2016	10/06/2016
37	Pawse Rohit Dilip	BE	2012	Thermax Limited, Pune	10	1/06/2016	10/06/2016
38	Pillai Akarsh Murlidhar	BE	2012	Metito Pollution Control Ltd., Pune	18	30/05/2016	17/06/2016
39	Poojari Kunal Shankar	BE	2012	Mangalore Chemicals and Fertilizers, Mangalore	5	7/12/2015	11/12/2015
40	Rohit M Kamble	BE	2012	Suguna Foods Ltd., Wardha	14	29/05/2016	12/06/2016
41	Shedmake Payal Tukaram	BE	2012	Ostwal Phoschem (I) Ltd., Bhilwara, Rajasthan	21	1/06/2016	21/06/2016

42	Srivastav Animesh Mukesh	BE	2012	Oil and Natural Gas Corporation Limited, Ankleshwar	30	1/06/2016	30/06/2010
43	Vishuv Parkash Rana	BE	2012	Jaypee Cement, Rewa, MP	11	30/05/2016	10/06/2016
44	Wadiwala Imail Abbas	BE	2012	Jaypee Cement, Rewa, MP	11	30/05/2016	10/06/2016
45	Deviputra Jitendra	BE	2012	Butibori CETP Pvt. Ltd ., Nagpur	10	01/06/2014	10/06/2014
46	Pagare Tejas	BE	2012	Butibori CETP Pvt. Ltd ., Nagpur	10	01/06/2014	10/06/2014

Sr. No.	Name of the student	Class	Course	Name of the company	Duration (Days)	Period (from)	Period (to)
1	Ajinkya Rajendra Sonawane	TE	2012	Rashtriya Chemicals and Fertilizers Ltd., Thal, Raigad	6	13/06/2016	18/06/2016
2	Anand Himanshu	TE	2012	Oil and Natural Gas Corporation Limited, Surat, Hazira	30	1/06/2016	30/06/2016
3	Baheti Abhishek Radheshyam	TE	2012	Oil and Natural Gas Corporation Limited, Surat, Hazira	30	1/06/2016	30/06/2010
4	Chirayu Patel	TE	2012	Oil and Natural Gas Corporation Limited, Surat, Hazira	30	30/05/2016	30/06/2016
5	Patel Naishadhkumar Jayantilal	TE	2012	Oil and Natural Gas Corporation Limited, Surat, Hazira	30	1/06/2016	30/06/2016
6	Pingal Patil	TE	2012	Oil and Natural Gas Corporation Limited, Surat, Hazira	30	1/06/2016	30/06/2016
7	Bawane Rahul Datta	TE	2012	The Malegaon Sahakari Sakhar Karkhana Ltd., Baramati	6	30/05/2016	4/06/2016
8	Jain Shubham Sagar	TE	2012	The Malegaon Sahakari Sakhar Karkhana Ltd., Baramati	6	30/05/2016	4/06/2016
9	Mane Sagar Shrimant	TE	2012	The Malegaon Sahakari Sakhar Karkhana Ltd., Baramati	6	30/05/2016	4/06/2016

10	Pachghare Pranit Suhasrao	TE	2012	The Malegaon Sahakari Sakhar Karkhana Ltd., Baramati	6	30/05/2016	4/06/2016
11	Patange Kaustubh Sanjay	TE	2012	The Malegaon Sahakari Sakhar Karkhana Ltd., Baramati	6	30/05/2016	4/06/2016
12	Pawar Mothabhau Nimba	TE	2012	The Malegaon Sahakari Sakhar Karkhana Ltd., Baramati	6	30/05/2016	4/06/2016
13	Phalle Shubham Balasaheb	TE	2012	Malganga Dairy Farm, Parner, Ahmednagar	7	8/06/2016	14/06/2016
14	Pinate Vijay Laxman	TE	2012	The Malegaon Sahakari Sakhar Karkhana Ltd., Baramati	6	30/05/2016	4/06/2016
15	Sadavarte Sumedh Natha	TE	2012	The Malegaon Sahakari Sakhar Karkhana Ltd., Baramati	6	30/05/2016	4/06/2016
16	Satve Suraj Bhiva	TE	2012	The Malegaon Sahakari Sakhar Karkhana Ltd., Baramati	6	30/05/2016	4/06/2016
17	Sherkhane Suraj Rajendra	TE	2012	The Malegaon Sahakari Sakhar Karkhana Ltd., Baramati	6	30/05/2016	4/06/2016
18	Dhumal Satvik Prafulla	TE	2012	Hindustan Petroleum Corporation Limited, Mumbai	13	30/05/2016	11/06/2016
19	Nisal Nikita Vinod	TE	2012	Megafine Pharma Pvt. Ltd., Nashik	10	1/06/2016	10/06/2016
20	Naik Saurabh Prakash	TE	2012	Megafine Pharma (P) Ltd., Nashik	10	1/06/2016	10/06/2016
21	Khavare Vaishnavi Anil	TE	2012	Megafine Pharma (P) Ltd., Nashik	10	1/06/2016	10/06/2016
22	Kunjir Reshma Namdev	TE	2012	Megafine Pharma (P) Ltd., Nashik	10	1/06/2016	10/06/2016
23	Kolte Ruturaj Balasaheb	TE	2012	Sudarshan Chemical Industries Ltd., Mahad	7	1/06/2016	7/06/2016
24	Mankar Ankita Akshaychand	TE	2012	BILT Graphic Paper Products Ltd., Chandrapur	7	3/06/2016	9/06/2016
25	Shubham Wankhede	TE	2012	Indo Rama Synthetics (India) Ltd., Nagpur	9	31/05/2016	8/06/2016
26	Thorawade Viraj Arun	TE	2012	Rajarambapu Patil Sahakari Sakhar Karkhana Ltd., Rajaramnagar	14	6/06/2016	20/06/2016



27	Gade Sanket Kailas	TE	2012	Katraj Dairy, Pune	7	31/05/2016	6/06/2016
28	Ghodke Omkar Sunil	TE	2012	Katraj Dairy, Pune	7	31/05/2016	6/06/2016
29	Ashture Pranesh Nagnath	TE	2012	Katraj Dairy, Pune	7	10/06/2016	17/06/2016
30	Saiyed Moinuddin Vafiuddin	TE	2012	Katraj Dairy, Pune	10	1/07/2015	10/07/2015
31	Attar Asif Yakub	TE	2012	Katraj Dairy, Pune	7	6/06/2016	13/06/2016
32	Pokharna Rahul Ashok	TE	2012	Katraj Dairy, Pune	7	31/05/2016	6/06/2016

### • Placement, Higher Studies, Self Employment

Sr. No.	Year	2016-17	2015-16	2014-15
i	Total No. of students placed including off campus	15	12	16
ii	No. of students going for higher studies	7	8	5
iii	No. of students self employed	0	0	0
iv	Total ( I + ii + iii)	22	20	21
v	Total students in final year	60	60	60
vi	$\% \text{ placement} = \frac{i + ii + iii}{v}$	<b>36.66</b>	<b>33.33</b>	<b>35.00</b>

Sr. No	Name of Company	No of student placed
1	Oceans	1
2	Apcotex Industries Ltd	1
3	Accenture	1
4	Deta Finochem Pvt Ltd	1
5	Technoforce Solutions Pvt Ltd	1
6	Praj Industries Pvt Ltd	1
7	Keynce India Private Ltd	1
8	Zeallyons	1
9	Focus Academy of Career Enhancement	1

10	ACG Pharma Technologies Pvt Ltd	1
11	Hikal	1
12	Torrecid India Pvt Ltd	1

## • Students Achievements:

### ❖ Co-Curricular Activities:

Sr. No.	Name of Student	Title of Competition	Organizer	Performance
1	Prachiti Bedadur	SCHEMCON 2016 Paper Presentation	Dr. B. V. Raju Institute of Technology, Hyderabad	Participated
2	Charuta Bapat	SCHEMCON 2016 Paper Presentation	Dr. B. V. Raju Institute of Technology, Hyderabad	Participated
3	Yash Kumbhare	SCHEMCON 2016 Paper Presentation	Dr. B. V. Raju Institute of Technology, Hyderabad	Participated
4	Vaishnavi Khavare	SCHEMCON 2016 Paper Presentation	Dr. B. V. Raju Institute of Technology, Hyderabad	Participated
5	Akash Dharmale	SCHEMCON 2016 Paper Presentation	Dr. B. V. Raju Institute of Technology, Hyderabad	Participated
6	Reshma Kunjir	SCHEMCON 2016 Paper Presentation	Dr. B. V. Raju Institute of Technology, Hyderabad	Participated
7	Shikha Gupta	SCHEMCON 2016 Paper Presentation	Dr. B. V. Raju Institute of Technology, Hyderabad	Participated
8	Pankaj Thorat	SCHEMCON 2016 Paper Presentation	Dr. B. V. Raju Institute of Technology, Hyderabad	Participated
9	Kunal Chede	SCHEMCON 2016 Paper Presentation	Dr. B. V. Raju Institute of Technology, Hyderabad	Participated
10	Satvik Dhumal	SCHEMCON 2016 Paper Presentation	Dr. B. V. Raju Institute of Technology, Hyderabad	Participated
11	Himanshu Anand	SCHEMCON 2016 Paper Presentation	Dr. B. V. Raju Institute of Technology, Hyderabad	Participated
12	Gunjan Choudhary	SCHEMCON 2016 Paper Presentation	Dr. B. V. Raju Institute of Technology, Hyderabad	Participated
13	Vijay Thorawade	SCHEMCON 2016 Paper Presentation	Dr. B. V. Raju Institute of Technology, Hyderabad	Participated
14	Nisal Nikita	SCHEMCON 2016 Paper Presentation	Dr. B. V. Raju Institute of Technology, Hyderabad	Participated
15	Parimal Kogekar	PRAKALP 2016 Paper Presentation	MIT Academy of Engineering, Alandi	Participated
16	Yash Kumbhare	PRAKALP 2016 Paper Presentation	MIT Academy of Engineering, Alandi	Participated

17	Mrunali Nilgirwar	SCHEMCON 2016 Paper Presentation	Dr. B. V. Raju Institute of Technology, Hyderabad	Participated
18	Vivek Chavan	SCHEMCON 2016 Paper Presentation	Dr. B. V. Raju Institute of Technology, Hyderabad	Participated
19	Ajinkya Lad	SCHEMCON 2016 Paper Presentation	Dr. B. V. Raju Institute of Technology, Hyderabad	Participated
20	Ajinkya Lad	PRAKALP 2016 Paper Presentation	MIT Academy of Engineering, Alandi	Participated
21	Gaurav Thombre	Melange 2017 HTRI Workshop	Viswakarma Institute of Technology, Pune	Participated
22	Shinde Ajinkya	Innovation 2017 Paper presentation	DYP Institute of Engineering and Reaserch, Akurdi	Participated
23	Wadkar Shubham	Innovation 2017 Paper presentation	DYP Institute of Engineering and Reaserch, Akurdi	Participated
24	Girase Leena	Innovation 2017 Paper presentation	DYP Institute of Engineering and Reaserch, Akurdi	Participated
25	Vishal Chikane	Innovation 2017 Paper presentation	DYP Institute of Engineering and Reaserch, Akurdi	Participated
26	Sani Bhowmick	Melange 2017 HTRI Workshop	Viswakarma Institute of Technology, Pune	Participated
27	Sani Bhowmick	Innovation 2017 Paper presentation	DYP Institute of Engineering and Reaserch, Akurdi	Participated

### ❖ Extra-Curricular Activities:

#### 1] Cultural

Sr. No.	Name of student	Activity	Organizer	Prize/Rank
1	Shinde Ajinkya	Ambassador for student relation,	CHEMTECH WORLD EXPO 2017	Participated
2	Varul Gupta	Melange 2017, Street Play	VIT, Pune	First Prize
3	Varul Gupta	TECHNIKALA 2017, Nukkad Natak,	NICMAR, Pune	First Prize
4	Varul Gupta	SILHOUETTES & AIIMBT 2017, Street Play Competition,	AFMC, Pune	First Prize
5	Varul Gupta	VEDANT, NATYA KARANDAK SKIT,	BJ Medical College, Pune	First Prize
6	Varul Gupta	Graffiti 2017, Nukkad Natak,	SYMBIOSIS Centre for IT	Second Prize
7	Varul Gupta	MOOD INDIGO 2016, AAGAAZ	IIT, Bombay	Third Prize
8	Varul Gupta	PANACHE, Street Play,	Hiraben Nanawati Institute Institute of Management and Research	Participated

9	Shubham Pise	Matdar Jagruti Abhiyan, Feb 2017	NSS & Pune Municipal Corporation	Participated
10	Shubham Pise	Tree Plantation,	Rotary Club of Pune, Shaniwarwada	Participated

## 2] Sports

Sr. No.	Name of student	Activity	Organizer	Prize/Rank
1	Vaishnavi Pote	NCC Attachment Training	NCC	Participated
2	Vaishnavi Pote	NCC Certificate B Examination	NCC	Passed
3	Vaishnavi Pote	NCC Combined Annual Training Camp	NCC	Participated
4	Shubham Pise	ENTHUSIA 2016, National Level sports Festival	VJTI, Mumbai	Winner
5	Shubham Pise	Shivaji Trophy, State level Inter Colligate T-20 Tournament,	AISSMS, Pune	Participated
6	Shubham Pise	Sinhgad Karandak SPORTS, Inter campus Cricket	Sinhgad Technical Education Society	Participated

### • Student Activities

#### ❖ Events Organized:

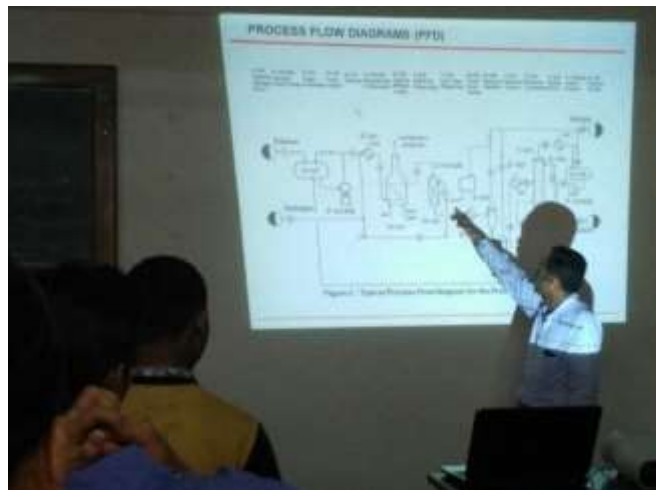
##### A) Expert Sessions

Sr. No	Topic for Guest Lecture	Name of the Resource Person	Date
1.	Block Diagram to P&ID	Ms. Shubhangi Vadjekar	28/07/2016
2.	Simulation Software in Process Engineering	Mr. Ameya Ekbote	28/07/2016
3.	Process Engineering	Mr. SV.Naik,	30/09/2016
4.	Rheology and Rheometrics	Dr. Manik Deosarkar,	09/09/2016
5.	Granular Material and it's Applications	Dr. S.H. Gharat,	26/09/2016
6.	Process Flow Diagrams and P&ID Diagrams	Mahendra Khatte	27/09/2016
7.	Studies on Polymer Nanocomposites by insitu emulsion Polymerization with and without ultrasound Techniques	Dr. B.A. Bhanvase	27/09/2016
8.	MOM Systems	Mr. Asif Shaikh,	30/09/2016
9.	Guidance for Preparation for Interviews	Mr. Girish Gund,	30/09/2016

10.	Process Design Engineering	Mr. S.V. Naik	17/01/2017
11.	Heat Transfer & Optimization	Mr. Anil Chavan	13/02/2017
12.	Water Treatment Practices	Mr. Mayuresh Dronkar	13/02/2017
13.	Water Treatment Plants	Ms. Manjushri Vaidya	13/02/2017
14.	Water Treatment Plants Career in Water Treatment Industry	Mr. Rahul Deo	13/02/2017
15.	Financing studies Abroad	Mr. Ankit Mehra	16/03/2017



❖ **Event Photographs:**



**Mr. Mahendra Khatte Explaining A PFD**



**Dr. B.A. Bhanvase Explaining Ultrasound Technique**



**Mr. Asif Shaikh Introducing MOM Systems**



**Mr. Girish Gund Addressing The Students**



**Ms. Shubhangi Vadjekar, Answering A Student's Query**



**Mr. Ameya Ekbote Enlightening Students About Internships In Chemsys**



**Mr. SV.Naik Speaking Of The Various Aspects Of Process Engineering**



**Dr. S.H. Gharat Introducing Granular Materials**

## **B) Technical competitions**

### **Report of the Event under Techtonic with Photograph**

**Event Name:** Sound out

**Event Category:** Competition

**No. of participants:** 23

## SOUND OUT



Inauguration of the event



Participants during Elimination round



Participants during Elimination round



Participants during Second round

**Event Name:** Seminar (Effluent Treatment Plant)

**Event Category:** Competition

**No. of participants:** 20

## SEMINAR



**Image Description: Inaugural at the hands of Mr.Anil Chavan**



**Image Description: Guest, Faculties And Coordinator Of Seminar Event**



**Image Description: Mr.Mayuresh Vaidya Felicitated By Mrs. R. S. Deshpande**



**Image Description: Session On Water Treatment Plant By Mr.Rahul Deo**

**Event Name:** Papyrus

**Event Category:** Technical

**No. of Entries:** 20



## PAPYRUS



Image description : Inauguration Ceremony



Image description: Coordinators, Participants & Judge



Image description: Event conduction



Image description: Winners felicitation

**Event Name:** Heartbeatzzz

**Event Category:** Chillzone

**No. of Entries:** 158



## HEARTBEATZZZ



During Inauguration Of Event “Heartbeatzz”



Questioning Session



1<sup>st</sup> prize winner



Runner up

Group Photo Including All Volunteers And Staff

Prize Distribution

**Event Name:** Pitchers

**Event Category:** Chillzone

**No. of Entries:** 17

## PITCHERS



**Inauguration At The Hands Of Mrs. Harsha Gandhi, SKNCOE**



**Felicitation of Judges by the HOD**



**Winners' Felicitation**



**Runner's Up Felicitation**



**Organizing Committee**



**Participants presenting their Startup Ideas**

# **Annual Academic Audit Report**

## **Department of Civil Engineering**

### **2016-17**

## • Mission

Holistic development of students and teachers is what we believe in and work for. We strive to achieve this by imbining a unique value system, transparent work culture, excellent academic and physical environment conducive to learning, to provide high quality education to the students for ethical, professional practices and to establish scientific and technological base for Civil Engineers

## • Quality Policy

We the faculty, staff and students are committed and dedicated to ensure state of art quality in engineering education through the mold of ethics, social responsibilities, eco-system awareness and nationalistic proud.

## • Goals

### • Long Term Goals

- To keep pace with latest technologies and processes through Industry Institute Interaction.
- To establish close association with state of art Universities, Industries and eminent Consultants in the field for nurturing the students.
- To promote professionalism to enhance the status of Civil Engineering program & to influence policy making for construction projects.
- To inculcate social and ethical responsibilities and environmental awareness amongst the students, for improving quality of life

### • Short Term Goals

- To encourage the use of technical tools for continuous growth of the students.
- To motivate the faculty and staff for qualification up gradation and Industrial trainings.
- To intensify the interaction with the stakeholders.
- To enhance Research & increase Memorandums of understanding.
- To broaden the perspective of the students towards Civil Engineering and to safeguard public interest

## • Research Activities

### a. University / College sponsored ongoing projects undertaken by faculty

Sr. No	Title	Grant sanctioned Rs.
1	Study of decentralized onsite waste management system for multistoried building including process optimization and their impact on environment and carbon footprint	1,70,000/-
2	Behavior of concrete column confined with fiber composites loaded eccentrically	1,30,000/-
3	Influence of fiber strength on fracture characteristics of normal and high strength concrete	1,40,000/-

### b. Student ongoing Research Projects

Sr. No.	Title	Sponsoring agency
1	Response analysis of effective location and positioning of waste water treatment plant in high-rise structure	BCUD research grant

## • R&D, Consultancy and Grants

Sr. No.	Department	No. of R&D, Consultancy Projects	Amount Sanctioned in Rs.	Amount Received in Rs.
1	Civil Engineering	02	1,48,000	1,27,000

### • Research publications in Journals notified on U.G.C. Website



Sr. No.	Title of paper	Name of Publication	Impact factor of Journal
1	"Response Analysis of Effective Location & Positioning of Wastewater Treatment Plant in High Rise Structure",	International Journal of Engineering Sciences and Research Technology, Volume 03, June 2017 (ISSN: 2277-9655, Impact factor 4.116)	4.116
2	" A review of genetic algorithm used for optimizing scheduling of resource constraint construction projects",	International Research Journal of Engineering & Technology, Volume 04, Issue 05, May 2017. (ISSN 2395 - 0072 Impact factor 5.181)	5.181
3	"Non Linear Buckling Analysis Of Reinforced Concrete Wall By Using Different Parameters",	International Journal Of Engineering Sciences & Research Technology, 2277-9655, Vol - 5, Issue – 7, 676-681, Jul-16	0.786
4	"Non Linear Buckling Analysis Of Reinforced Concrete Wall By Using Different Parameters",	International Journal Of Engineering Sciences & Research Technology, 2277-9655, Vol - 5, Issue – 7, 676-681, Jul-16	0.786
5	"Design Of Structural Element Employing Optimization Approach",	International Journal Of Innovative Research In Science, Engineering And Technology, 2319-8753, Vol - 5, Issue – 7, 1111-1119, Jul-16	3.2
6	"Finite Element Analysis Of Hyperbolic Cooling Tower By The Concept Of Equivalent Plate",	International Research Journal Of Engineering And Technology, 2395-0072, Volume: 03 Issue: 07, Jul-16	7.34
7	"Seismic Performance Evaluation Of Eccentrically Braced Frame Using Pbp Method",	International Journal Of Innovative Research In Science, Engineering And Technology, Issn:2319-8753, Volume 5, Issue 9, Sep-2016	1.672
8	Characterization of Reactive Powder Concrete for its Mechanical Properties",	International Journal of Civil Engineering and Technology (IJCIET ), Volume 8(5), May 2017, pp. 08–13 (ISSN Print: 0976-6308 and ISSN Online: 0976-6316)	4.56

9	A State of the Art Report on Ultra High Performance Concrete: Reactive Powder Concrete” ,	IOSR Journal of Engineering, Volume 7 (5), May 2017, pp. 1 -6 (ISSN (e): 2250-3021, ISSN (p): 2278-8719	3.781
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### • FDP/STP/TTT etc. – Organized

Sr. No.	Name of the faculty	Title of the Programme	Period
1	Mrs. V. U. Khanapure	Geotechnical Investigations And Ground Improvement (GIGI)	7 September 2016
2	Mr. P. B. Kodag Mrs. M. M. Magdum	Two Days National Level Workshop on Advances in Concrete	19-20 January 2017

### • Workshops / Seminars / Conferences etc. - Organized

Sr. No.	Title	Period From - To	No. of Participants
1.	State level Workshop on Advances in Concrete	19th to 20th January 2017	31
2.	Three days' workshop on Advance Concrete Mix Design	9th Sept. to 11th Sept.2016	52
3.	Three days' workshop on ETABS and SAP2000	8th Sept. to 10th Sept.2016	53
4.	Three days' workshop on Planning and Management	8th Sept. to 10th Sept.2016	119

5.	Seminar - Geotechnical Investigations and Ground Improvement	7th Sept. 2016	215
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#### State level Workshop on Advances in Concrete

#### • FDP/STTP/Workshop/Conferences Attended by Faculty

#### • No. of Faculty participation in Seminars / Conferences / Symposia etc.

Sr. No.		International Level	National level	State Level	Local
1	Attended only	3	15	8	12

2	Presented Papers	-	5	-	-
3	Resource Person	-	1	2	12

- **FDP/STP/Train the Trainer (TTT)/ NPTEL Courses/ Industrial Training etc – Attended by faculty**

Sr. No.	Name of Faculty	Title of Programme	Sponsored by	Period
1	Mrs. J. P. Bhusari	ICACIDS-2K16	Self	27-28 Feb 2017
2	Mr. D. K. Rajmane	TACSAS-2017	S.C.O.E., Pune	16-18 Jan. 2017
3	Mr. D. K. Rajmane	Revision of TE CE Syllabus CBCS- 2015 Pat.	Self	18 Nov. 2016
4	Mrs. J. P. Bhusari	Automation of theory Question Paper Generation	Self	09-Feb-17
5	Mrs. M. M. Magdum	Recent developments in Engineering Science, Humanities and Management	Self	14 May 2017
6	Ms. M. V. Fule	Environmental Pollution & Remediation	Self	27-Jan-17
7	Ms. M. V. Fule ,	Advances in Concrete	Self	19-20 Jan 2017
8	Mrs. V.S. Limaye	Building Technology and Materials	Self	05 to 10 Jan 2017
9	L. A. Bhangale	Surveying	Self	05 to 10 Jan 2017

10	S. S. Jain	Building Technology and Materials	Self	05 to 10 Jan 2017
11	M. S. Injal	Surveying	Self	05 to 10 Jan 2017
12	S. R. God	Geotechnical engineering	Self	05 to 10 Jan 2017
13	P. B. Kodag	Strength of Materials	Self	05 to 10 Jan 2017
14	V. U. Khanapure	Geotechnical engineering	Self	05 to 10 Jan 2017
15	A. A. Taware	Strength of Materials	Self	05 to 10 Jan 2017
16	Dr. S.S. Angalekar	OPTIMIZATION TECHNIQUE	AICTE	05/08/2016
17	Dr. M.N. Bajad	QIP short term course on Recent Advances in Concrete Technology and Testing of Materials (19th to 24th December 2016)	QIP	19th to 24th December 2016
18	Mrs. M.M. Magdum	Structural Analysis II	Self	05 to 10 Jan 2017
21	Mrs. D.R. Vaidya	Structural Analysis II	Self	05-06-2017 to 10-06-2017
22	Mrs. A.A. Taware	LIMIT STATE DESIGN OF STEEL STRUCTURE	<u>SPPU</u>	24th Sept 2016
23	Ms. M.M. Sawant	Environmental Pollution & Remediation	Self	06/03/2017 to 11/03/2017



24	Mrs. D.R. Vaidya	Smart water Management	Self	19-21 January 2017
25	Ms. S.S. Hailkar	Water Resources and Flood Management With Special Reference to Flood Modelling	Self	14-15 October 2016
26	Ms. S.S. Hailkar	7th International Conference on research Trends in Engg, Applied Science and Management2017	Self	27th Aug.2017
27	Dr. S.S. Angalekar	ME SYLLABUS REVISION	BCUD, SPPU, Pune	27th Aug.2017
28	Mrs. J.P. Bhusari	Syllabus Revision of PG Civil Engineering –Structures	SPPU, Pune	03-01-2017
29	Mrs. J.P. Bhusari	Automation of Theory Question Paper Generation	SPPU, Pune	09-02-2017
30	Mr. P. B. Kodag	Intellectual Property Rights	Self	27th December, 2016
31	Mrs. M.M. Magdum	Destructive and Non-Destructive Testing Methods For Civil Engineering Structures	Self	22-09-2016 to 24-09-2016
32	Mrs. M.M. Magdum	Intellectual property rights and patents	Self	27-12-2016
33	Mrs. M.M. Magdum	Advances in Concrete	BCUD, Planning and Development section, under QIP, SPPU	19-01-2017and 20-01-2017
34	Mrs. D.R. Vaidya	ME Syllabus Revision	SPPU, Pune	03-01-2017

35	Mrs. A.A. Taware	Advances in Concrete	BCUD, SPPU, Pune	19-20 Jan 2017 ,
36	Ms. S.S. Hailkar	Advances in Concrete	BCUD, SPPU, Pune	19-20 Jan 2017 ,
37	Ms. M.M. Sawant	Advances in Concrete	BCUD, SPPU, Pune	19-20 Jan 2017 ,
38	Ms. M. V. Fule	Advances in Concrete	BCUD, SPPU, Pune	19-20 Jan 2017 ,
39	Dr. (Mrs.) P. M. Alandkar	Syllabus Revision of PG Civil Engineering –Structures	SPPU, Pune	03-01-2017
40	Dr. (Mrs.) P. M. Alandkar	ASCE International Summit 2017 organised by DIT ASCE International Student Chapter Dr. D. Y. Patil Institute of Technology, Pimpri, Pune	Self	28th Feb. 2017

### • University Results

- Give the Percentage of university results without backlog / ATKT for the last four years % result

Year	Previous P (2016-17)	P-1 (2015-16)	P-2 (2014-15)	P-3 (2013-14)
Second Year	53.56	61.57	66.96	61.92
Third Year	69.15	65.95	52.48	42.37
Final Year	89.61	81.67	95.18	94.96

Sr. No.	Department	Semester – II Results (%)		
		SE	TE	BE

1	Civil Engineering	53.56	69.15	89.61
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• Value Added courses during current year

Sr. No.	Department	Title	Conducted by	Duration From - To	No. of Students Enrolled
1	Civil Engineering	ETABS and SAP 2000	Mr. Dinesh Nainani	8/9/2016 to 10/9/2016	54
2		Planning and Management	Shri. S. Palande	8/9/2016 to 10/9/2016	51
3		Advance Concrete Mix Design	Mr. Pratik Jain	9/9/2016 to 11/9/2016	51

• Memorandum of Understanding (MoUs)

Sr. No.	Date of the MoU	Name of the Industry / Organization	Purpose	Outcome
1	18/07/13	Appa Patwardhan Sanstha, Pune	To execute the Environmental related projects	To meet the needs related to environmental protection.

• Industrial Visits:

Sr. No	Date of Visit	Name of the Industry / Organization	Location	Objective	Outcome
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1	22/03/17	Sahyadri Readymix Plant	Sinhgad road, Pune	To understand about RMC plant and its working	SE Student Learned about RMC mix design & equipment
2	01/02/17 - 03/02/17	Water Treatment Plant	Vadgaon Bk, Pune	To understand the working of WTP	The students will get the knowledge of various treatment units and water treatment process
3	20/01/17	Nira Deoghar, Bhatghar Dam and Nira Deoghar Hydro power plant	Deoghar, Bhatghar	Practical knowledge through irrigation projects and hydropower plant.	BE Students were able to bridge the theoretical concepts with the practical knowledge of DHS
4	29/09/16	Canal, Bridge	Tukai Nagar, Vadgaon Bk, Pune	To study the different aspects of bridge engineering	BE Students will get the knowledge of components of bridge
5	26/09/16 - 30/09/16	Multistoreyed Residential Building	Ambegaon, Pune	To study the practical details of construction material and equipments on site	FE Students were able to gain practical insights to the various aspects of Civil

					Engineering Projects.
6	26/09/16 - 28/09/16	Panshet, Varasgaon Dam and hydropower Generation Unit.	Pune	Practical knowledge through irrigation projects and hydropower plant.	BE Students were able to bridge the theoretical concepts with the practical knowledge of DHS
7	22/09/16	Canal, Bridge	Tukai Nagar, Vadgaon Bk, Pune	To study the different aspects of bridge engineering	BE Students got the knowledge of components of bridge
8	21/09/16	CWPRS	Pune	Understanding the open channel model studies	TE Students were able to know about the design part of the dam and its cross section
9	14/9/16	Chatrapati Crushers, Hot Mix Plant	,Pune	To study the components of hot mix plant	BE students learnt about various process of Crusher plant & hot mix plant
10	08/09/16 - 09/09/16	Stone Crusher and Hot Mix Plant	Ambegaon, Pune	To study the components of hot mix plant	BE students learnt about various process of Crusher plant & hot mix plant



11	31/08/16 - 01/09/16	JNPT Jawaharlal Nehru Port	Navi Mumbai	To study the design aspects of docks and harbours	TE & ME (Struc. & Hydraulics) students got acquainted with various activities & functions related to ports.
12	30/07/16	IRICEN- Indian Railway Institute of Civil Engineering	Pune	To study the different aspects of railway engineering	TE Students learnt about the components of various parts of railway with its operation
13	30/07/16	Pune Railway Station	Pune	To understand structural components of girders, column bracing	TE Students got the knowledge of steel structure, rails etc
14	26/07/16	Precast Yard	Chandani Chowk, Pune	To understand the structural components of prestressed girder, section of bridges & various construction techniques	BE students learnt about precast concrete and how it is used as a reusable mould, their transportation and how controlled curing condition is maintained on site.

15	25/07/16	Elanza Mahesh Builders	Vadgaon Bk	To understand about various construction materials on site	SE (All) students got acknowledged with various materials and construction activities on site
16		Naidu Sewage Treatment Plant	Pune	To understand the working of STP	BE students got the knowledge of various treatment units and wastewater treatment process

#### 14. Student Projects

Sr. No.	Department	No of projects by students	
		UG	PG
1	Civil Engineering	48	24
<b>Total</b>			<b>72</b>

- Field/ Industrial Projects for students during current year

Sr. No.	Name of Projects	No. of students enrolled for projects	Prominent Industries Sponsoring the projects
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1	Design of Malaprabha digester in ferrocrete	4 (UG)	Appa Patwardhan Safai Wa Parayavaran Tantraniketan, Dehugaon
2	On street parking study of CBD Pune	4 (UG)	Technically funded by PMC
3	Study of durability of hybrid fiber reinforced concrete	4 (UG)	Dhanraj construction, Mai Smarti B, Flat No. 304, S. No. 50/5, Vadgaon, Pune-41
4	Use of Granite powder in concrete	4 (UG)	Cemcon Concrete India Pvt. Ltd., Pune -41
5	Structural analysis and prestress design of a multipurpose building	4 (UG)	STRUDCOM Consultants, Pvt. Ltd., Pune

• **Students Internship summary:**

Sr. No.	Name of student	Class	Course	Name of Company	Duration	Period
1	Ubale Bhushan Nagnath	TE	Civil	Vaichal Constructions Company Pvt Ltd.	3 weeks	Nov - Dec 2016
2	Thakare Kaustubh Pramod	TE	Civil	Vaichal Constructions Company Pvt Ltd.	3 weeks	Nov - Dec 2016
3	Shinde Shubham Nandakumar	TE	Civil	Vaichal Constructions Company Pvt Ltd.	3 weeks	Nov - Dec 2016

4	Thube Vaibhav Gorakh	TE	Civil	Vaichal Constructions Company Pvt Ltd.	3 weeks	Nov - Dec 2016
5	Pawar Akshata Rajendra	TE	Civil	Vaichal Constructions Company Pvt Ltd.	3 weeks	Nov - Dec 2016
6	Tembhe Vaibhav Devidas	TE	Civil	S J Contracts Pvt Ltd	3 weeks	Nov - Dec 2016
7	Kochar Shubham Prafulla	TE	Civil	S J Contracts Pvt Ltd	3 weeks	Nov - Dec 2016
8	Chavan Ashish Hanumant	TE	Civil	M D Consultant	3 weeks	Nov - Dec 2016
9	Gujrathi Sayali Mangesh	TE	Civil	M D Consultant	3 weeks	Nov - Dec 2016
10	Kothawade Prajakta Hemkant	TE	Civil	M D Consultant	3 weeks	Nov - Dec 2016
11	Ugale Roshan Nandakumar	TE	Civil	M D Consultant	3 weeks	Nov - Dec 2016
12	Sanchay V. Mukkawar	TE	Civil	M/s. Millennium Engineers & Contractors Pvt. Ltd.	1 month	30/05/2017-30/06/2017
13	Waghe Suraj V.	TE	Civil	M/s. Millennium Engineers & Contractors Pvt . Ltd.	1 month	30/05/2017-30/06/2017
14	Ravikant S Pawar	TE	Civil	M/s. Millennium Engineers & Contractors Pvt . Ltd.	1 month	30/05/2017-30/06/2017

15	Sushant S. Yeswant	TE	Civil	M/s. Millennium Engineers & Contractors Pvt . Ltd.	1 month	30/05/2017-30/06/2017
16	Sagar Gaikwad	TE	Civil	M/s. Millennium Engineers & Contractors Pvt . Ltd.	1 month	30/05/2017-30/06/2017
17	Ankita Nannaware	TE	Civil	M/s. Millennium Engineers & Contractors Pvt . Ltd.	1 month	30/05/2017-30/06/2017
18	Rajnandini Khairnar	TE	Civil	M/s. Millennium Engineers & Contractors Pvt . Ltd.	1 month	30/05/2017-30/06/2017
19	Shinde Snehal Dipak	TE	Civil	M/s. Millennium Engineers & Contractors Pvt . Ltd.	1 month	30/05/2017-30/06/2017
20	Pavan H Soni	TE	Civil	M/s. Millennium Engineers & Contractors Pvt . Ltd.	1 month	30/05/2017-30/06/2017
21	Kiran Solat	TE	Civil	M/s. Millennium Engineers & Contractors Pvt . Ltd.	1 month	30/05/2017-30/06/2017
22	Oswal Sourabh Virendra	TE	Civil	Scon Projects Scon Projects Pvt Ltd	1 month	30/05/2017-30/06/2017
23	Kotme SnehalDnyanoba	TE	Civil	Scon Projects Pvt Ltd	1 month	30/05/2017-30/06/2017
24	Deshpande Maithili Laxmikant	TE	Civil	Scon Projects Pvt Ltd	1 month	30/05/2017-30/06/2017



25	Sandeep Kumar	TE	Civil	Scon Projects Pvt Ltd	1 month	30/05/2017-30/06/2017
26	Nagarsoge Yashwant Arjun	TE	Civil	Scon Projects Pvt Ltd	1 month	30/05/2017-30/06/2017
27	Nagare Pankaj Shivaji	TE	Civil	Scon Projects Pvt Ltd	1 month	30/05/2017-30/06/2017
28	Prathamesh Sanjay Doiphode	TE	Civil	Scon Projects Pvt Ltd	1 month	30/05/2017-30/06/2017
29	Raskar Digvijay Ramdas	TE	Civil	Scon Projects Pvt Ltd	1 month	30/05/2017-30/06/2017
30	Sushil Patil	TE	Civil	Scon Projects Pvt Ltd	1 month	30/05/2017-30/06/2017
31	Amarsinh Patale	TE	Civil	Scon Projects Pvt Ltd	1 month	30/05/2017-30/06/2017

#### Students Internship details

Sr. No.	Department	No of Internship by students	
		UG	PG
1	Civil Engineering	31	05
Total			36

### • Student Training Program in the department:

Civil Engineering Department is always looking and working towards the skill updation of students. Department organizes various software courses for students so to keep them up to date with state of the art technology and thus make them more employable. Software courses arranged for UG and PG students are:

1. AutoCAD
2. ETABS
3. MS Excel
4. STADD PRO
5. REVIT
6. SAP
7. SAFE
8. BIM Software

### • Training and Placement Activities

#### ○ Group discussion and Personal Interview program:

#### Highlights:

- 12 hrs course was organized for final year UG students.
- Total 60 students were present
- Students were groomed for how to build confidence, body gesture during personal interview.
- Student should make sensible words and language during group discussion.
- To help Students in several aspects like softskills, technical expertise and live projects of the company.

### • Placement, Higher Studies, Self-Employment

Sr. No.	Year	2016-17	2015-16	2014-15
i	Total No. of students placed including off campus	23	50	35
ii	No. of students going for higher studies	11	02	10
iii	No. of students self employed	03	03	
	<b>Total ( i + ii + iii)</b>	<b>37</b>	<b>55</b>	<b>45</b>

Sr. No	Placement date	Name of Company	No of student place
1	March 2017	Accenture	02
2	March 2017	Cognizant	01
3	April 2017	Infosys	01
4	April 2017	Kumkang Kind	02
5	April 2017	Neilsoft	01
6	May 2017	Sanveo	01
7	May 2017	Synergy Valuers	01

### • Students Achievements

Sr. No.	Name of The Student	Activity	Organizer	Prize/Rank
1	Gaurav Sanjeev Bhalerao	State Level Olympiad on project management	Tech trainers and testers, Pune	1st
2	Rohit Raosaheb Sarde	State Level Olympiad on project management	Tech trainers and testers, Pune	2nd
3	Chetan Ramsing Sulane	State Level Olympiad on project management	Tech trainers and testers, Pune	3rd
4	1.Ketan Shivaji Gunjal 2.Abhishek Jain 3.Krishna Shailesh Bagla 4.Bhagyashree Subhash	State Level Olympiad on project management	Tech trainers and testers, Pune	Participation

5.Bhushan Chandrakant Kalaskar			
6.Snehal Arun Thokal			
7.Shraddha Dilip Rajput			
8.Shubham Prakash Jain			
9.Madhur Rajendra Daga			
10.Saurabh Pravin Munot			
11.Trupiti Sanjay Vedpathak			

## • Student Activities

At Department of Civil Engineering, student activities are divided in three parts.

1. Sinhgad Students' Council (SSC).
2. Techtonic- Annual technical festival organized under Sinhgad Karandak.

Here is the summary of activities carried out in the department related to these sections.

On 29<sup>th</sup> September, 2016, a fun game was organized by the students of Civil Engineering Department under SSC. The game was Name It! Shoot It! In this game, the participants had to solve a crossword to find different locations in STES Vadgaon campus and then they had to go there and shoot a video of themselves saying a fun slogan allotted to them.

For this, 40 teams registered for the event out of which 6 teams were Non-SSC teams. The event was free for SSC members whereas a nominal entry fee of Rs 50 per team was collected from Non-SSC Members.

The winning team was given a prize amount of Rs. 1,000 and the Runner's up were given a prize amount of Rs. 500.



**Participants are given instructions before the game**



**Dr. S. S. Shastri, HoD overseeing the ongoing event**



**Dr. S. S. Shastri, HoD handing the prize to the winning team**



**Dr. S. S. Shastri, HoD handing the prize to the runner's Up.**

## ○ EVENTS ORGANIZED

The department under the aegis of Sinhgad Karandak 2016 had organized various events, technical as well as extra-curricular. It gave a platform for the students to showcase their talent. The brief details of various events organized are as follows:

This year Techtonic was organised from 9th Feb 2017 to 13th Feb 2017. We had 5 competitions, 1 workshop, 1 seminar and 1 chill zone event. The event was a huge success. The competitions were Surveyक्षमम्, Maverick Manager, Sketchomania, Creative minds & CiviQuiz. The event “Surveyक्षमम्” organized at STES Cricket Ground, Vadgaon (Bk). The total no of participants was 24, from which STES participants were 8, the Non STES participants from Savitribai Phule Pune University were 7 and from other universities were 9. The event was organized in two rounds where in the participants had to solve problem related to surveying. The winner of the event was Vinit Datir from Government Polytechnic Pune and the runner-up Anjali Kshirsagar from Sinhgad College of Engineering

The event “Creative Mind \_ spark enlightens the path ahead was open to UG as well as PG students from any discipline. The event basically identified issues of the area and rationale solutions put forth by participating teams. The event was organized, to test different capabilities of the students. It was to test the creativity along with the



analytical abilities and issue resolving capacity of the students. The social concern for the area surveyed was also taken into account during evaluation process.

Sketchomania event comprised of two rounds. In round one participants were given a plan and they were asked to develop it on AutoCAD. In Second round participants were asked to develop a pent house according to the required standard dimensions. Participants were given 75 minutes to complete.

The winner was Ashish Chavan from Sinhgad College of Engineering and there was a tie for runner-up Geetanjali Kamble and Rohan Nikam from Sinhgad College of Engineering

The event “Maverick Manager” was a single round event in which students were expected to optimize time and money for the given project.

The winner Lokesh Chhajed and team from Sinhgad College of Engineering and the runner-up Hrishikesh Dhoot and team from Sinhgad College of Engineering

The event “CiviQuiz” was a quiz competition the event was for UG as well as PG level students. The quiz questions were based on Civil Engineering concepts. It was only for Civil Engineering students to test their conceptual knowledge and logical thinking

The winner Faizan Sheikh (BVP) and Ashfaq Shaikh (SCOE) and the runner-up Vivek Patil and Rohan Bhavsar from SCOE.

‘TRIMIT’ was basically a **model making workshop** where the participants were taught some basic techniques of carving and cutting by **Mr. Rajendra Yeolekar**, professional model-maker with an experience of more than 42 years, they were also given guidance about pasting materials and their techniques to use them for preparing the models.

The event “**BE AN ENTREPRENEUR**” was a seminar organised for students where in we had eminent personalities like Mr. Atul Goel, Managing Director, Goel Ganga Group, Mr. Satish Magar, Managing Director, Magarpatta Township Development and construction co. Ltd. The evening session was conducted by Mr. Rupesh Pate, Partner, Pate Infrastructure and Mr. Prafulla Ikhankar, Director, Royal Vastu Rachana LLP.

Neon Cricket was a chill zone event where the participants had to play cricket in a neon light

#### ○ **BE PROJECT COMPETITION**

BE Project Competition is organised for the Final year students of Civil Engineering department of SCOE on 5th April 2016. The total no of participant groups was 50. Judges for the event were Dr. Sachin Jain (NICMAR, Pune), Mr. Prakash Medhekar (Consultancy, Pune) & Mr. Mahalingaha (CWPRS, Pune).

#### ○ **ME WELCOME FUNCTION**

ME welcome function is organized for all three branches of ME, Structures, Environmental, Hydraulics



**Guest lecture by Mr. Vaze**

# **Annual Academic Audit Report**

## **Department of Computer Engineering**

### **2016-17**

## • VISION

To be among the noble contributors towards society by achieving excellence in academics and research, and inculcating human values within every individual.

## • MISSION

To create ample opportunities and ambience, in which individual's prowess can be enhanced to achieve peak of success.

## • QUALITY POLICY

We the faculty, staff and students are committed and dedicated to ensure state of art quality in engineering education through the mold of ethics, social responsibilities, eco-system awareness and nationalistic proud.

## • GOALS

### • Long Term Goals

- To elicit competent leaders by facilitating an environment to discover, and unleash the technical potential dwelling within an individual.
- To develop state-of-the-art research center, to induce thirst of knowledge and research in every student and professional.
- To achieve academic excellence and offer valued services by strengthening institute –industry collaborations.
- To sow the spirit of entrepreneurship in the disciples.
- To insist for the realization of an accountability of a civilized

### • Short Term Goals

- To commence research center and doctoral program.
- To buildup strong interaction with industry for collaborative efforts, projects and newest technology based training.
- To intensify technical exposure to students by means of professional courses, certifications and various activities.

• **Research Activities:**

• **List of Publications**

**B. Research Publications in Journals**

Sr. No	Title of paper	Name of Publication	Name of Authors	Impact factor of Journal
1.	Agglomerative Clustering for Image Ranking Using Signature of Query image	International Journal of Innovative Research in Science, Engineering and Technology, , Volume 4, Issue 7, July 2016, ISSN (Online): 2319-8753, ISSN (Print): 2347-6710	Ashwini Satpute and Jayashree Prasad	4.4
2.	Structure Guided Scene Text Recognition	International Journal of Innovative Research in Science, Engineering and Technology, Volume 5, Issue 7, July 2016, ISSN (Online): 2319-8753, ISSN (Print): 2347-6710.	Balaji Pawade and Jayashree Prasad	4.4
3.	ACCESSit: A Uniform Interface For Accessing Personal Data On Multiple Cloud	Imperial Journal of Interdisciplinary Research (IJIR) Vol-2, Issue-6, 2016 ISSN: 2454-1362.	Unmesh Deodhar, Gaurav Chaudhari, Gaurav Deshpande, Atul Agarwal and Dr. J. R. Prasad	3.75
4.	Prevention of Selective Jamming Attacks in Wireless Networks	International Journal Of Emerging Technology and Computer Science, Volume 1, Issue 3, ISSN:2455-9954, Pg. no: 32-35, June 2016.	Avinash Rathod, Jyoti Kulkarni	4.78
5.	Bio-Inspired Proximity Discovery and Synchronization with Security Solutions for D2D Communications	IJIRCCE, Volume 4, Issue 6, June 2016	D.P.Salapurkar , Abhijeet Dholeshwar	4.4
6.	Review on Network Monitoring and Trust Routing in Presence of Dos Attack	IJSART, March 2017, ISSN (Online): 2395-1052, Volume 3, Issue 3.	Cinmay Kulkarni, D. N. Patil	4.78
7.	Security Issues for Cloud Supported IoT	International Journal of Innovative Research in computer and communication engineering, Volume 4, Issue 9, Sept 2016.	Nikita Shingarwade, Sushama C. Suryawanshi	6.672

8.	A Survey on Software Defined Networking in IOT	IJARCCCE, ISSN 2278-1021, Vol. 6, Issue 2, February 2017	Swati Joshi, Gaurav Dhus, Neeraj C	6.672
9.	Data Mining Tool for SMBS with FIM method	International Journal of Advance Research in computer and communication engineering, ISSN print 2319-5940, Vol.6 Issue 3, March 2017	Rupesh Wankhede, Pawar Suvarna Sanjay	6.672
10.	Green and Secure Routi Framework	International Journal of Emerging Technology in Computer Science and Electronics, ISSN: 0976-1353, Volume 23 Issue 3 of JULY, 2016.	Shashank Bawne, Shashank Bholane	4.78
11.	GPU Parallelization of Back - Propagation Neural Network	IJESIT, 2319 – 5967, Vol:6, Issue:01, Jan-2017	Snehal Wagh, Dipti Pawar	4.78
12.	Big Data Analysis of Fetched Logs using Hadoop Framework	IJARCE, Vol-6, Issue-3, Mar 2017.	G. G. Chiddarwar, Sanket Chhajed, G. G. Chiddarwar, Sanket Chhajed,	4.4
13.	Intelligent Dynamic Bus Transportation System	IJARCCCE, ISSN 2278-1021, Volume 6, Issue 1, Jan 2017	Prof. Malan D.Sale, Aparna Budhawant, Manisha Bhamare, Nilam Gunjal	6.672
14.	Indoor navigation for blind user using ultrasonic obstracle detection	IJSTE, 2349-784X	Sale Malan Dipak, Saloni Picha, Harsh Patil, Dainik Pandya	4.753

### C. Research Publications in International Conferences

Sr. No.	Title and other Details of Paper
1.	Prof.M.D.Sale, Dr. Chandra Prakash, “Dynamic scheduling of elevators with reduced waiting time of passengers in EGCS:Fuzzy system approach”, International conference on innovation in CSE by Guru nanak institutions Hyderabad, India 23-24th July 2016.
2.	Jayashree Rajesh Prasad, Rajesh S. Prasad, “Machine Learning Algorithms for Change Detection Critical issue for coastal surveillance”, International Conference, ICATCA 16, held at Kuala Lumpur, 5-6 May 2016, pp. 87-98.
3.	Harsha A. Bhute, Dr.P.P.Karde, ”Optimal network selection algorithms in heterogeneous wireless network”, IEEE conference 2nd International Conference on Computing, Communication, Control and Automation (ICCUBE-2016), India 12th -13th August 2016.
4.	Pawar Dipti Rohan, “GPU based Background Subtraction using CUDA:State of the Art”, IEEE WISPNET, SSN College of Engineering, Chennai, India, Scopus, Google-Scholar, 22-24th Mar

	2017
5.	Amol Dhumane, Rajesh Prasad, Jayashree Prasad, "Routing Issues in Internet of Things: A Survey", International Multi-Conference of Engineers and Computer Scientists, pp. 16-18.
6.	Poonam kumar Hanwate, Swati shirke, Shwetambari Chiwane, Jayashree Prasad, "Review of Customer's Opinion for Knowledge Extraction", International Conference, ICATCA 16, held at Kuala Lumpur 5-6 May 2016, pp. 53-68
7.	Swati Bhonde, Jayashree Rajesh Prasad, "Improved Approach for Preprocessing Text using Hadoop Framework", International Conference ICATCA 16, held at Kuala Lumpur on 5 -6 May 2016, pp. 192-202
8.	Balaji Pawade and Jayashree Rajesh Prasad, "A Survey on Structure Guided Scene Text Recognition", International Conference ICIECS 2016, February 2016.
9.	Ashwini Satpute, Jayashree Rajesh Prasad, "A Survey on Image Re-ranking Using Semantic Signature of Query Image", International Conference ICIECS 2016, February 2016.

#### D. Research Publications in National Conferences

Sr. No.	Title and other Details of Paper
1.	Sushama C. Suryawanshi, S.R.Hiray, "Mobile application for Agriculture Automation using WSN", NCRTACCS-17, 16-17 Feb 2017, SCOE, PUNE.
2.	G.G.Chiddarwar, Dr.S Phanni Kumar, "Retrieval of Similar Shaped Images using Bio-Inspired Genetic Computation" National Conference on Recent Trends and Advances in Computing, Communication and Security (2017)-NCRTACCS 17,16-17 Feb 2017,SCOE, Pune.
3.	Jayanthi.E, Dr. Mohammed Ali Hussain, "Survey on Certificate Revocation in MANET", NCRTACCS 17,16-17 Feb 2017,SCOE, Pune
4.	S. S. Pawar, Dr. Prasanth, Yalla, "Trust based quality awareness using combinatorial auction service selection in service based system", NCRTACCS 17,16-17 Feb 2017,SCOE, Pune.
5.	Sale Malan Dipak, Dr. V.ChandraPrakash, "Effective way of waiting time reduction in EGCS", NCRTACCS 17,16-17 Feb 2017,SCOE, Pune
6.	Nikita Shingarwade, Sushama C. Suryawanshi," PERFORMANCE EVALUATION OF CLOUD BASED FARM AUTOMATION", NCRTACCS-17, 16-17 Feb 2017, SCOE, PUNE.
7.	Nikita Shingarwade, Sushama C. Suryawanshi, Performance Evaluation of cloud based Farm automation.", CPGCON-17.
8.	Parikshit N. Wankhade, G.G.Chiddarwar, "Plant Leaf Disease Infected Area Identification By Using Generic Algorithm Approach", CPGCON-17.



### • FDPs/STTPs/Workshops/Conferences Organized

Department has organized following events in the academic year 2016-17:

Sr. No	Name of the program / Seminar / Workshop	Date / Duration
1.	Syllabus Orientation FDP on Subject Discrete Mathematics	14/06/2016, 1-Day
2.	Workshop on Linux Installation for SE students	20/07/2016 , 1-Day
3.	Group Discussion & Personal Interview	19/09/2016 to 20/09/2016, 2-Days
4.	SE-TE Orientation Program by T&P	12/07/2016 to 13/07/2016, 2-Days
5.	Introduction to computer hardware	09/09/2016, 1-Day
6.	Mini Project Poster Competition for TE students	23rd Sept 2016, 1-Day
7.	Hands-on workshop for advanced Unix utilities	30/09/2016, 1-Day
8.	Green Rally – Environment Awareness Program	28/09/2016, 1-Day
9.	Parents Meet for SE students' parents	3rd Aug 2016, 1-Day

• SE parents Meet held on 03/08/2016 :



Sought Blessings of Maa Saraswati jee



Beautiful Rangoli by TE Computer Students



Parents at registration desk



The dais



10. Hands on Workshop for LaTeX

24th Jan 2017, 6th Feb 2017, 2-Days

11. Web site CMS training

26th July 2016, 1-Day

12.	Hands On Workshop on Java-Applet & Interfaces	27th Mar 2017, 1-Day
	<b>• Glimpses of Hands-on Workshop on “Java-Applet &amp; Interfaces”</b>	
		
13.	Workshop on “Self Defense” under “Nirbhaya Kanya Abhiyan”	27th Feb 2017, 1-Day
	<b>• Gimpes of One Day Workshop on “Self Defense” under “Nirbhaya Kanya Abhiyan”</b>	
		
14.	Seminar on Health Care for SE Students	31/08/2016, 1-Day
15.	Role of an engineer for sustainable development.	21/09/2016, 1-Day
	<b>• Seminar on Role of an engineer for sustainable development held on 21/09/2016</b>	

		
16.	Placement guidance from BE to TE students	30/09/2016 ,1-Day
17	Upcoming Google Technologies	13/02/2017, 1-Day
18.	BE projects Project competition “Finepro-2017”	25th Mar 2017, 1-Day
	<p>• Glimpses of BE Project Competition “Finepro-2017”</p> <div style="display: flex; justify-content: space-around;">   </div>	
19.	National Conference on Recent Trends and Advances in Computing, Communication and Security	16ht-17th Feb 2017 2-Days
	<p>• Glimpses of National Conference “NCRTACCS-17 ”</p> <p>1. Inauguration Function:</p>	





2. Principal Sir and HOD sir addressing Conference:



3. Session at Conference:



**Additional Glimpses of additional events organized by department:**

• National Anthem Program 23/08/2016



• FE Induction Program 05/08/2016



• STTPs/Workshops/Conferences Attended by Faculty

Sr. No.	Name of Faculty	STTP/Workshop/Conference Attended	Place and Date
6.	Pawar Dipti Rohan	First GPU computing meet-up and seminar	VIT, Pune 2/12/2016
7.	Patil Dhanashri Nilesh	First GPU computing meet-up and seminar	VIT, Pune 2/12/2016
8.	Salapurkar Deepali P.	Seminar on IoT and Cloud Convergence	PCCOER, Ravet 1/16/2016
9.	Suryavanshi Sushama C.	Seminar on IoT and Cloud Convergence	PCCOER, Ravet 1/16/2016



### • R&D, Consultancies and Grants

Sr. No.	Title of Project	Funding Agency	Faculty In-charges	Duration	Grant Sanctioned (in Rs.)	Grant Received (in Rs.)	Project completion (in %)
1.	Shape Based Image Retrieval: Hybrid Method Using Parallel Processing	BCUD	G. G. Chiddarwar	2 Yrs	1,60,000/-	-	Ongoing
2.	Design And Analysis Of Agriculture Automation Using WSN And Mobile Application By Surveying Different Data Mining Techniques And Suggestion Of Better Classifier	BCUD	S. C. Suryawanshi	2 Yrs	70,000/-	-	Ongoing
3.	Low Cost Hazardous Gas Detector And Annunciator For Indian Gas Geysers Using IEEE 802.15.4	BCUD	T. P. Vaidya	2 Yrs	68,000 /-	-	Ongoing
4.	Waiting Time Reduction Of Passengers In EGCS	BCUD	M. D. Sale	2 Yrs	53500/-	-	Ongoing
5.	An Integrated Health Monitoring System For Heart Patients Using Wireless Computing Technology	BCUD	H. A. Bhute	2 Yrs	1,40,000/-	-	Ongoing
6.	Unattended Object Intelligent Detection In Complex Scene	BCUD	Pawar Dipti Rohan	2 Yrs	75,000/-	-	Ongoing

### • University Results

- Give the Percentage of university results without backlog / ATKT for the last four years % Result

Year	Current (2016-17)	P-1 (2015-16)	P-2 (2014-15)	P-3 (2013-14)
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<b>Second Year</b>	57.20	62.50	79.36	68.83
<b>Third Year</b>	75.72	66.96	65.93	64.35
<b>Final Year</b>	97.66	92.62	94.87	92.69

- University Rank Holders**

Sr. No.	Name of the Student	Year	University Rank
1	Krishna Kadam	SE	3 <sup>rd</sup>
2	Prashant Rajput	TE	10 <sup>th</sup>
3	Omkar Salavi	BE	7 <sup>th</sup>

- GRE - 2016 Qualified Students**

Sr. No.	Name of the Student	GRE Score
1	Saurabh Bahulikar	305
2	Vipul Upadhaye	310
3	Shridhar Pawar	310
4	Madhur Biyani	310
5	Rajas S. Deshpande	308
6	Hulyalkar Sachin Sanjay	309
7	Mrugala Yogesh Gurjar	301
8	Parth Naik	323

- Value Addition Programs (VAP) and Expert Sessions conducted**

Sr. No.	Name of VAP	No. of participants	Duration & Date
1.	Mobile application development for BE students	92	28 /8/2016 to 29/8/2016, 2-Days

2.	Data Science & Big Data Analytic: Workshop	49	01/09/2016 to 03/09/2016, 3-Days
3.	Android Application Development: Workshop	50	01/09/2016 to 03/09/2016, 3-Days
4.	Core JAVA & Advanced Java: Workshop	47	01/09/2016 to 03/09/2016, 3-Days
5.	Hands-on sessions on advanced android programming	88	03/10/2016 to 04/10/2016, 2-Days

### • Expert Sessions Organized:

Department of Computer Engineering had organized expert lectures for students:

Sr. No.	Activity Name	Resource person/organized by/ sponsored by	Date of Conduction
1	How to face the technical person and HR interview	Sachin Gade (global-IT solution, CapGemini, Sr. Technical Architecture)	1/10/2016
2	Linked Lists (Peer Teaching Program) SE-I	Rohan Shah	06/09/2016
3	Linked Lists (Peer Teaching Program) SEII	Snehal Kenjale	06/09/2016
4	Linked Lists (Peer Teaching Program) SEIII	Krishna Kadam	06/09/2016
5	Virtualization Techniques and demonstration of Xen Server installation and configuration	Mr. Tushar Kute	27/03/2017

### • Memorandums of Understanding (MoUs)

#### 1. Mitu's Skilloloies:

This MoU is signed to develop and expand a framework of cooperation and joint operations with MoU's with Reputed Organizations Mitu's Skilloloies

Sr. No	Name of Company / Organization	Date of MOU	Objectives
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1.	Mitu's Skilloloies	w.e.f. 19 <sup>th</sup> Oct 16	To establish a technical communication link between them to achieve long term goals. <ul style="list-style-type: none"> <li>• Guest lectures</li> <li>• Workshops</li> <li>• training</li> </ul>

### • Industry Liaison and Visits

Department has strong close liaison with leading industries since more than a decade. This liaison is strengthened with the help of Industry-Institute Interaction Cell (I<sup>2</sup>IC) and Industrial Visits.

Sr. No	Name of the Department, & Faculty	Class	Name of the industry with address	Date (DD/M M/YY)	Duration	Purpose of the Visit/ Subject
1	Prof. S. P. Bholane Prof. A. R. Joshi Prof. S. H. Shaikh	TE	Aleo, Manali, Small Hydropower Plant (Manali, H.P.)	19th February, 2017	1-Day	To introduce work culture of industry
2.	Prof. D. P. Salapurkar	TE (13-students)	Persistent Systems, Hinjewadi, Phase 1, Pune	24 th Feb 2017	1-Day	To introduce students with working environment of industry

### • Industry-Institute Interaction Cell

Objectives of Industry Institute Interaction Cell:

- To get Sponsorship for projects of under graduate & Post graduate students
- To deliver Guest lecturers in various domain of interest
- To work as External examiner for U.G. and P.G. Project work
- To provide Industrial training to faculty
- To provide Internship to desired students
- To work as a Technical adviser in students projects
- To help in Establishment of incubation unit
- To provide guidance as a Technical adviser in FDP, STTP and conference

- List of Industry Cell Members:

Sr. No.	Name of Cell Member	Designation of Cell Member	E-mail Id	Mobile Number
1	Mr. Mangesh Powar	Co-founder and Project Manager, Techlium Solutions, Baner Road, Pune	<a href="mailto:mangeshpowar@gmail.com">mangeshpowar@gmail.com</a>	9762116447
2	Mr. Nilesh Deshmukh	Co-founder and Project Manager, Digital India Company, Dhayari, Pune	<a href="mailto:dicpune1@gmail.com">dicpune1@gmail.com</a>	7276974717
3	Mr. Prashant Salapurkar	Senior Associate, Cognizant, Pune.	<a href="mailto:p_salapurkar@yahoo.co">p_salapurkar@yahoo.co</a>	9970590650
4	Mr. Selvarathinam Sankaran.	Expert Business Analyst, Allscript, Pune	<a href="mailto:selvarathinam.sankaran@allscripts.com">selvarathinam.sankaran@allscripts.com</a>	9422646211
5	Mr. Dhananjay Gatade	Product Delivery Manager, Tech Mahindra, Pune	<a href="mailto:dgatade@gmail.com">dgatade@gmail.com</a>	9422646211
6	Mr. Puneet Vajpeyi	Team Leader, Krixi Solutions Pvt. Ltd., Pune	<a href="mailto:psvajpeyi@gmail.com">psvajpeyi@gmail.com</a>	9403682217
7	Mr. Nilesh Raut	Software Developer, Oxltech, Pune	<a href="mailto:rautnilesh8@gmail.com">rautnilesh8@gmail.com</a>	9970271285
8	Mr. Ashish Gabhane	Tibco Software India Pvt. Ltd., Pune	<a href="mailto:ashishgabhane1@gmail.com">ashishgabhane1@gmail.com</a>	8793489642
9	Mr. Swapneel C. Mhatre	Associate Professor, SCOE, Comp dept. Pune	<a href="mailto:scmhatre.scoe@sinhgad.edu">scmhatre.scoe@sinhgad.edu</a>	
10	Mrs. Dipti Pawar	Assistant Professor, SCOE, Comp dept. Pune	<a href="mailto:dvshitole.scoe@sinhgad.edu">dvshitole.scoe@sinhgad.edu</a>	9922603212
11	Mrs. M.D. Sale	Assistant Professor, SCOE, Comp dept. Pune	<a href="mailto:mvgaikwad.scoe@sinhgad.edu">mvgaikwad.scoe@sinhgad.edu</a>	

### • Industrial Visits

Sr. No.	Name of the Department, & Faculty	Class	Name of the industry with address	Date (DD/MM/YY)	Duration	Purpose of the Visit/ Subject
1	Prof. S. P. Bholane Prof. A. R. Joshi Prof. S. H. Shaikh	TE	Aleo, Manali, Small Hydropower Plant (Manali, H.P.)	19th February, 2017	1-Day	To introduce work culture of industry

**Glimpses of Industrial Visit to “Small Hydropower Plant”, Aleo, Manali , H.P.:**



2.	Prof. D. P. Salapurkar	TE (13-students)	Persistent Systems, Hinjewadi, Phase 1, Pune	24 th Feb 2017	1-Day	To introduce students with working environment of industry
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**• Projects Completed by the Students**

Department	UG	PG
Computer Engineering	54	4
<b>Total</b>		58

**• Placement Details**

- No. of Eligible students : 172
- No. of Student Place : 121
- Percentage of Students placed : 70.34

Sr. No.	Company	No. of Students Placed
1	eQ Technologic	3
2	Xoriant Solutions	2
3	nVIDIA	1



4	Tata Technology	3
5	Oracle	3
6	Cognizant	15
7	Accenture	22
8	Infosys	9
9	Capgemini	2
10	L&T Infotech	6
11	Tech Mahindra	8
12	iNautix	1
13	Sigma soft	1
14	Mindtree	2
15	Fiserv	1
16	Harbinger	1
17	Vodafone	1
18	Accelya Kale	3
19	Persistent	1
20	IntellyZen(Internship)	2
21	iASYS	1
22	Newgen	4
23	HCL (PLSQL)	2
24	Centiro	1
25	Xpansion	1
26	AMDOCS	5
27	O'source (RKIT)	1
28	Think & Learn	1
29	TIBCO	2
30	eZest	1
31	KPIT(RKIT)	2
32	TIBCO Contractor	2
33	Aloha Technology	2
34	Exusia	2

35	Accenture off campus	7
<b>Total</b>		<b>121</b>

## • Students' and Faculty Achievements

### • Co-Curricular Activities:

Sr. No.	Name of Student	Title of Competition	Organizer	Performance
1.	1.Abhishek Singhaniya 2. Akash Tanwani 3.Shloka Balghat	Technical Dumbsharaj, Sinhgad Students Council	Sinhgad Students Council	Cash prize of Rs. 1000/-
2	Rudram Bhimpure	Bugs off (Pulzion), PICT,Pune	PICT ,Pune	Cash prize of Rs. 750/-
3.	Akshit Rohara Rudram Bhimpure	Crypto-Jumble	PICT ,Pune	Runner-up

### • Extra-Curricular

### • Sports

Sr. No.	Name of student	Activity	Organizer	Prize/Rank
3.	Kaushik Biyani	Football, Shahu Tournament	Shahu College of Engg.	Winner
4.	Rushabh Masurkar	Cricket (B), VJTI Cup	December 2016 VJTI	Winner
5.	Dyanesh Kudale	Cricket (B), VJTI Cup	December 2016 VJTI	Winner
6.	Shubham Patond	Cricket (B), VJTI Cup	December 2016 VJTI	Winner
7.	Ishwar Borse	Cricket (B), VJTI Cup	December 2016 VJTI	Winner
8.	Akash Chaudhari	Cricket (B), VJTI Cup	December 2016 VJTI	Winner
9.	Richa Mahajan	Cricket (G),Sinhgad Sports karandak	14 <sup>th</sup> Jan 2017 STES	Winner
10.	Shweta Kulkarni	Football (G), Sinhgad Sports karandak	14 <sup>th</sup> Jan 2017 STES	Winner
11.	Ruchita Deshmukh	Football (G), Sinhgad Sports karandak	14 <sup>th</sup> Jan 2017 STES	Winner
12.	Pratiksha Handore	Football (G),Sinhgad Sports karandak	14 <sup>th</sup> Jan 2017 STES	Winner

13.	Sayali Jadhav	Throwball(G), Sinhgad Sports karandak	14 <sup>th</sup> Jan 2017 STES	Winner
14.	Pranita Padole	Throwball(G), Sinhgad Sports karandak	14 <sup>th</sup> Jan 2017 STES	Winner
15.	Shubhi Bhakat	Throwball(G), Sinhgad Sports karandak	14 <sup>th</sup> Jan 2017 STES	Winner
16.	Dhananjay Ghule	Tripple Jump, ZEST 2017	26-29 <sup>th</sup> Jan 2017	Second
17.	Snehal Kenjale	Rapid Chess, Intuition'17, PICT	26 <sup>th</sup> Feb 2017 PICT	Third
18.	Akshay Picha	CARROM of 1B Lobby, Inter Lobby Sports and Cultural Meet	10 <sup>th</sup> -18 <sup>th</sup> January 2017	Runner-up

- **Events Organized for students:**

**A. Expert Sessions**

Sr. No.	Expert Name	Topic	Date
1	Mr. Tushar Kute	Virtualization Techniques and demonstration of Xen Server installation and configuration	27/03/2017
2	Prof. Swati Shirke	Algorithm Design Issues for Smart Systems	23/09/2016
3	Prof. Swati Shirke	Practical aspects of machine Learning Algorithms	23/09/2016
4	Mr. Selvarathanam Sankaran	Presentation skills	1/09/2016
5	Schin Gade (global-IT solution, CapGemini, Sr. Technical Architecture)	How to face the technical person and HR interview	1/10/2016
6	Rohan Shah	Linked Lists (Peer Teaching Program) SE I	06/09/2016
7	Snehal Kenjale	Linked Lists (Peer Teaching Program) SEII	06/09/2016
8	Krishna Kadam	Linked Lists (Peer Teaching Program) SEIII	06/09/2016

**B. International Conference on Ubiquitous Computing in association with Institute for Engineering Research and Publication (IFERP) during 25-26 July 2017**

**C. Technical Competitions**

- a. Akshay Shitole & team got inspiration prize by Persistent System in Smart Hackathon India (SHI) 2017.



- b. Sanket Bhawe, Ruchita Deshmukh, Sumitra Kani, Vihang, Kasturi Jamale, Technocrats\_SCOEPUNE where in final round for SMART India Hackathon, 2017
- c. Shivani Bhagwat, Santosh Kale, Apoorva Anand, Suyog Karanje team has ranked 8th in the judges choice category for Transform Maharashtra project Competition.



## D. Significant Achievements

- a. Karan Tongay (BE Student) published paper in IEEE

- i. “Sensor Data Computing as a Service in Internet of Things”, CDAN'16 Indore, Madhya Pradesh, 18-19<sup>th</sup> March 2016, DOI:0.1109/CDAN.2016.7570963.

- b. **Karan Tongay was chosen among 2500+ participants as a Dell Ambassador.**



- c. **Mr. Krishna Kadam – Awarded with Cognizant – Best Outgoing Students Award 2017**



- d. **Dr. Jayashree R. Prasad**

- i. Received “Certificate of Appreciation” and “Best Support award” at CAASR ICATCA 2016 held at Malaysia during 5<sup>th</sup>-6<sup>th</sup> 2016 for her contribution as a volunteer, reviewer and session chair.

- ii. Chief Guest Speaker at 2 days National Level Symposium on New Challenges for Data, Systems and Applications (NTSCDSA 2016).



# **Annual Academic Audit Report**

## **Electronics & Telecommunication**

### **2016-2017**

- **Vision:**

Department of Electronics & Telecommunication Engineering shall continue to innovate and practice the processes to propel development in engineering education, keeping excellence in focus and render services to match the needs of technical education system, industry and society.

- **Mission:**

To create an ambience and provide broad based education where students are urged to develop new ideas and professional skills in equilibrium with the needs of the nation.

- **Quality Policy:**

We the faculty, staff and students are committed and dedicated to ensure state of art quality in engineering education through the mold of ethics, social responsibilities, eco-system awareness and nationalistic proud.

- **Goals:**

- **Long Term Goals**

1. To set up Centre of Excellence in the field of VLSI Embedded and Signal Processing
2. To keep pace with technology and process through industrial training of faculty, staff and students
3. To establish close association with state of art Universities, Industries and Personalities
4. To inculcate quality, social, ethical and eco-friendly awareness among the students

- **Short Term Goals**

1. To intensify industrial training to faculty and staff
2. To motivate the faculty for qualification up-gradation
3. To increase number of Memorandums of Understanding (MoU) with industries
4. To increase number of Patents and Journal publications

- **Research Activities**

**Research projects**

**a. Industry /NGO/Govt. – Sponsored ongoing projects undertaken by Faculty**

Sr. No	Title	Name of funding / Sponsoring agency	Total grant sanctioned
1	eYantra Lab	IIT Bombay	54,000
2	Xilinx EDA Lab	XILINX, CA, USA	10 Licenses equivalent to Rs. 10 Lac

**b. University / College sponsored ongoing projects undertaken by faculty**

Sr. No	Title	Grant sanctioned
1.	Adaptive Fuzzy Neural Network Controller for Nonlinear Control System	2,10,000
2	Artifact Identification and Elimination from Brain Activity for Brain Computer Interface	2,10,000
3	Design & performance evaluation of patchwork coding-based audio watermarking for signal processing attack.	1,20,000
4	Hardware realization of Wireless Sensor based Parameter Monitoring System	1,60,000
5	Development of Next Generation ISL Decoder	250000
6	Design of High Throughput IFFT Processor for OFDM Applications	170000

**c. Student ongoing Research Projects**

Sr. No	Title	Sponsoring agency
1	Detection of Pedestrian crossing for safe driving Detection of Pedestrian crossing for safe driving	BCUD, pune

2	Automatic pick and place mechanism	-
3	IOT Based Smart Health Care System	-
4	Job measurement and fault detection using camera interface	Automation Teknix
5	IOT based digital advertising board	Shalaka technologies
6	Smart display board	-

**List of Publications – Journals :**

Sr. No.	Department	Number of Publications
1.	E&TC Engineering	63

**Research publications in Journals notified on U.G.C. Website**

Sr. No	Title of paper	Name of Publication	Impact factor of Journal
1	Efficient retinal vessel detection using line detectors with morphological operations	<i>Journal of Intelligent and Fuzzy Systems</i>	1.40
2	A quality-on-demand electrocardiogram signal compression using modified set partitioning in hierarchical tree	<i>Signal, Image and Video Processing</i>	1.430
3	Bio-Impedance Analysis for Classification of Various Skin Diseases in Indian Context	<i>Research Journal of Pharmaceutical, Biological and Chemical Sciences (RJPBCS)</i>	0.35

4	Optimized Reinforcement Learning Based Adaptive Network Routing for MANETs	<i>Global Journal of Pure and Applied Mathematics</i>	0.16
5	Prioritized Sweeping Reinforcement Learning Based Routing for MANETs	<i>Indonesian Journal of Electrical Engineering and Computer Science</i>	0.24

### Research Publications – Conferences:

Sr. No.	Department	Number of Conferences
1.	E&TC Engineering	37

### ● FDP/STTP/Workshop/Conferences Organized :

Sr. No.	Department	No. of FDP/STTP/Workshop/Conferences Organized
1.	E&TC Engineering	02

### ● FDP/STTP/Workshop/Conferences Attended by Faculty :

Sr. No.	Department	No. of STTP/Workshop/Conferences Attended
1.	E&TC Engineering	90

### ● Workshops / Seminars / Conferences:

#### a. No. of Workshops / Seminars / Conferences etc - Organized

Sr. No	Title	Name of Dept.	Period From - To	No. of Participants
1	One day state level workshop on Challenges in VLSI FOSS in cloud solutions	E&TC	12/06/2017	25
2	One day state level workshop on “Advanced Telecommunication Symposium”	E&TC	27/02/2017	30



**Challenges in VLSI FOSS in cloud solutions**

b. No. of Faculty participation in Seminars / Conferences / Symposia etc.

Sr. No		International Level	National level	State Level	Local
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1	Attended only	3	26	28	33
2	Resource Person	01	02	03	21

c. FDP/STP/Train the Trainer (TTT)/ NPTEL Courses/ Industrial Training etc – Attended by faculty

Sr. No	Name of Faculty	Title of Programme	Sponsored by	Period
1	Dr. M. B. Mali	IT Olympiad 2017	COEP	21 Jan 2017
2	Dr M B Mali	One day Workshop on ME (Electronics – Digital Systems) Revised Syllabus – 2017 Course	MIT & BoS SPPU	25 Nov 2016
3	Dr M B Mali	One day Workshop on TE E & TC/ Elex Syllabus Revision Structure Finalization	PES MCOE & BoS SPPU	7 Oct 2016
4	Dr M B Mali	Innovation 2016	RSCOE and SPPU Pune	6 Oct 2016
5	Dr M B Mali	Inter College IETE Competition	1 Day / IETE Pune Center	27 April 2017
6	Dr R S Kawitkar	International Conference on Recent Trends, Emerging issues in Science, Engineering, Environment and Technology (ICRESEET)	2 Days/ IFERP Goa	8-9 April 2017
7	Dr R S Kawitkar	One day Workshop on ME (Electronics – Digital Systems) Revised Syllabus – 2017 Course	MIT & BoS SPPU	25 Nov 2016

8	Dr S. S. Lokhande	e-PGPEX - 2017	1 Day/ AISSMS COE / MES COE Pune & BoS SPPU	15 May 2017
9	Dr. S.S.Lokhande	One week STTP on Multimedia Signal Processing	VIT, Bibwewadi	8-12 Aug 2016
10	Dr. S. R.Ganorkar	International Conference on Recent Trends, Emerging issues in Science, Engineering, Environment and Technology (ICRESEET)	2 Days/ IFERP Goa	8-9 April 2017
11	Dr. S. R.Ganorkar	One day Workshop on ME (Electronics – Digital Systems) Revised Syllabus – 2017 Course	MIT & BoS SPPU	25 Nov 2016
12	Prof. S.O. Rajankar	National Conference on Research , Design and Development in Engineering, Management and Sciences (INC-RDD-EMS-2017)	1 Day/ Rajgad Dynapeeth Technical Campus, Pune	18 March 2017
13	Prof. S.O. Rajankar	One day Workshop on University IoT Tech day	AIT, Dighi, Pune	7July 2016
14	Prof. S.O. Rajankar	TEQIP sponsored on e week STTP on Python Programming	SGGS Nanded	12-17 Aug 2016
15	Prof. S. O Rajankar	One day Workshop on ME (Electronics – Digital Systems) Revised Syllabus – 2017 Course	MIT & BoS SPPU	25 Nov 2016
16	Prof. S. O Rajankar	One day state level workshop on Advanced Telecommunication Symposium	E&TC Dept. SCOE In association with SPPU and National Instruments	27 Feb 2017

17	Prof. S. O Rajankar	TEQIP sponsored workshop on Patent drafting and Filling	Bharati Vidyapeeth COE, Pune	17 -19 March 2017
18	Dr A M Deshmukh	International Conference on Signal and Information Processing (IConSP-2016)	3 Days/ SGGS Institute of Technology, IIT Bombay, CPE Pune, SVUCE Tirupati and technically sponsored by IEEE Bombay Section	6-8 October 2016
19	Dr A M Deshmukh	Workshop on Quality Evaluation in Video Processing	2 Days/ SKNCOE and SPPU Pune	7-8 March 2017
20	Dr A M Deshmukh	Orientation Lectures on AVISHKAR 2016	IT Dept of SCOE & BCUD SPPU	28 Sep 2016
21	Dr A M Deshmukh	One week STTP on Design, Testing, Performance evaluations and applications of microwave antennae 2016	VIT, Dept. of E&TC	21-26 Nov. 2016
22	Dr A M Deshmukh	Two day state level workshop on IOT, Analytics, Computing techniques and tools for smart cities	Cummins college of engg. Pune	17-18 Feb 2017
23	Dr A M Deshmukh	TTT TE E&TC	E&TC Dept. SCOE	5-10 June 2017
24	Prof. R V Pawar	Workshop on Speech Technology	3 Days/ VIT Pune	28 September 2016

25	Prof. M.M Jadhav	One day Workshop on ME (Electronics – Digital Systems) Revised Syllabus – 2017 Course	MIT & BoS SPPU	25 Nov 2016
26	Prof. M.M Jadhav	Workshop on Advanced Telecommunication Symposium	1 Day/ SCOE Pune, SPPU Pune and National Instrument	27 Feb 2017
27	Prof. M N Kakatkar	Workshop on Advanced Telecommunication Symposium	1 Day/ SCOE Pune, SPPU Pune and National Instrument	27 Feb 2017
28	Prof. M N Kakatkar	One day Workshop on ME (Electronics – Digital Systems) Revised Syllabus – 2017 Course	MIT & BoS SPPU	25 Nov 2016
29	Prof. M N Kakatkar	FDP on TIVA Processor	PVG in Collaboration with SPPU	18 March 2017
30	Prof. M N Kakatkar	IT Olympiad 2017	COEP	21 Jan 2017
31	Prof. S A Shirsat	2 Days state Level Workshop on “Research Direction in WSN and IoT”	RMD School of Engineering Warje	27-28 Jan 2017
32	Prof. S. C. Baidwaik	One day Workshop on Syllabus Structure Finalization	Dept. of E&TC , MCOE, Pune	7 Oct. 2016
33	Prof. S. C. Baidwaik	Avishkar 2016	SPPU BCUD held at VIIT, Pune-48	2 Dec 2016
34	Prof. S. C. Baidwaik	One day state level workshop on Challenges in VLSI FOSS in cloud solutions	E&TC	12/06/2017

35	Prof. S A Shirsat	Workshop on Advanced Telecommunication Symposium	1 Day/ SCOE Pune, SPPU Pune and National Instrument	27 Feb 2017
36	Prof V G Raut	Workshop on ME (Electronics – Digital Systems) Revised Syllabus – 2017 Course	MIT & BoS SPPU	25 Nov 2016
37	Prof V G Raut	One week Short Term Training Programme on “Nonlinear Analysis, Computations Using Matlab, Mathematica, Maple, Lingo and Cplex with Applications in Engineering & Sciences” (NACM3LCAES-2016)	S V National Institute of Technology, Gujarat	30 Sep-4 Oct 2016
38	Prof V G Raut	Research Scholars Conclave 2017	COEP	24-25 March 2017
39	Prof V G Raut	Avishkar 2016	SPPU BCUD held at VIIT, Pune-48	2 Dec 2016
40	Prof. Y. D. Chincholkar	One day workshop on Financial planning and Wealth management	MHRD Govt. of India initiative - VISAKA SCOE	27 Jan 2017
41	Prof. Y. D. Chincholkar	Research Scholars Conclave 2017	COEP	24-25 March 2017
42	Prof. Y. D. Chincholkar	Workshop on Advanced Telecommunication Symposium	1 Day/ SCOE Pune, SPPU Pune and National Instrument	27 Feb 2017
43	Prof. M. M. Wankhade	One week Short Term Training Programme on “Nonlinear Analysis, Computations Using Matlab, Mathematica, Maple, Lingo and Cplex with	S V National Institute of Technology, Gujarat	30 Sep-4 Oct 2016

		Applications in Engineering & Sciences” (NACM3LCAES-2016)		
44	Prof. M. M. Wankhade	IT Olympiad 2017	COEP	21 Jan 2017
45	Prof. M. M. Wankhade	TEQIP sponsored workshop on Patent drafting and Filling	Bharati Vidyapeeth COE, Pune	17 -19 March 2017
46	Prof. M. M. Wankhade	Workshop on Advanced Telecommunication Symposium	1 Day/ SCOE Pune, SPPU Pune and National Instrument	27 Feb 2017
47	Prof. M. M. Wankhade	SE-TTT	Dept. of E&TC, SCOE	5-10 June 2017
48	Prof. S.B.Patil	IT Olympiad 2017	COEP	21 Jan 2017
49	Prof. S.B.Takale	Orientation Lecture on Avishkar 2016	Dept. of IT, SCOE	28 Sep 2016
50	Prof. S.B.Takale	One day Workshop on Syllabus Structure Finalization	BOS SPPU, Dept. of E&TC, JSPM Narhe	15 Nov. 2016
51	Prof. S.B.Takale	Workshop on ME (Electronics – Digital Systems) Revised Syllabus – 2017 Course	MIT & BoS SPPU	25 Nov 2016
52	Prof. S.B.Takale	Avishkar 2016	SPPU BCUD held at VIIT, Pune-48	2 Dec 2016
53	Prof. S.B.Takale	National Seminar on Cyber Security and Evolving Technology	CCOEW, Pune	2-3 Feb. 2017



54	Prof. S.B.Takale	SE-TTT	Dept. of E&TC, SCOE	5-10 June 2017
55	Prof. S.D.Mali	Workshop on Advanced Telecommunication Symposium	1 Day/ SCOE Pune, SPPU Pune and National Instrument	27 Feb 2017
56	Prof. S.D.Mali	SE-TTT	Dept. of E&TC, SCOE	5-10 June 2017
57	Prof. P.M.Bangare	Future trends in CMOS VLSI	One day workshop organized by SPPU	30 Aug 2016
58	Prof. P.M.Bangare	Workshop on Advanced Telecommunication Symposium	1 Day/ SCOE Pune, SPPU Pune and National Instrument	27 Feb 2017
59	Prof. P.M.Bangare	FDP on Networking and Switching	5 days BVCOE, Pune	7-11 Feb 2017
60	Prof. D.G.Ganage	5 days National level workshop on SDR with LABVIEW and NI- USRP	SPPU BCUD at PICT	20-24 Feb 2017
61	Prof. D.G.Ganage	FDP on Networking and Switching	5 days BVCOE, Pune	7-11 Feb 2017
62	Prof. G. N. Gaikwad	One week STTP on Design, Testing,Performance evaluations and applications of microwave antennas 2016	VIT, Dept. of E&TC	21-26 Nov. 2016
63	Prof. R. B .Dhumale	IT Olympiad 2017	COEP	21 Jan 2017
64	Prof. R. B .Dhumale	FDP on Networking and Switching	5 days BVCOE, Pune	7-11 Feb 2017

65	Prof. R. B .Dhumale	Workshop on Advanced Telecommunication Symposium	1 Day/ SCOE Pune, SPPU Pune and National Instrument	27 Feb 2017
66	Prof. N.R. Dhumale	FDP on Networking and Switching	5 days BVCOE, Pune	7-11 Feb 2017
67	Prof. N.R. Dhumale	Workshop on Advanced Telecommunication Symposium	1 Day/ SCOE Pune, SPPU Pune and National Instrument	27 Feb 2017
68	Prof. S.A.Koti	IT Olympiad 2017	COEP	21 Jan 2017
69	Prof. S.A.Koti	Workshop on ME (Electronics – Digital Systems) Revised Syllabus – 2017 Course	MIT & BoS SPPU	25 Nov 2016
70	Prof. P.U.Bambel	IT Olympiad 2017	COEP	21 Jan 2017
71	Prof. P.U.Bambel	One day state level workshop on Advanced Telecommunication Symposium	E&TC Dept. SCOE In association with SPPU and National Instruments	27 Feb 2017
72	Prof. P.U.Bambel	TE-TTT	Dept. of E&TC, SCOE	5-10 June 2017
73	Prof. P.M.Dahale	TTT-SE	Dept. of Computer Dept. SKNCOE	5-10 June 2017
73	Prof. M. N. Namewar	IT Olympiad 2017	COEP	21 Jan 2017
74	Prof. M. N. Namewar	Workshop on Advanced Telecommunication Symposium	1 Day/ SCOE Pune, SPPU Pune and National Instrument	27 Feb 2017

75	Prof. M. N. Namewar	TTT-SE	Dept. of Computer Dept. SKNCOE	5-10 June 2017
76	Prof. M. N. Namewar	Ist National Teachers Congress, Pune, India	Pune, India	23-25 Sep 2016
77	Prof. S.V.Tathe	TE-TTT	Dept. of E&TC, SCOE	5-10 June 2017
78	Prof. D.R.Wasnik	Workshop on Advanced Telecommunication Symposium	1 Day/ SCOE Pune, SPPU Pune and National Instrument	27 Feb 2017
79	Prof. D.R.Wasnik	SE-TTT	Dept. of E&TC, SCOE	5-10 June 2017
80	Prof. D.R.Wasnik	One day state level workshop on Challenges in VLSI FOSS in cloud solutions	E&TC Dept. SCOE	12/06/2017
81	Prof. S.D.Pahade	Hands on Workshop on Linear Integrated Circuits- A systems Approach	Organized by SPPU at VIIT Pune	31Jan -2 Feb 2017
82	Prof. M. M.Sonkhaskar	One day state level workshop on Advanced Telecommunication Symposium	E&TC Dept. SCOE In association with SPPU and National Instruments	27 Feb 2017
83	Prof. M. M.Sonkhaskar	TE-TTT	Dept. of E&TC, SCOE	5-10 June 2017
84	Prof. S.D.Bardale	One day state level workshop on Advanced Telecommunication Symposium	E&TC Dept. SCOE In association with SPPU and National Instruments	27 Feb 2017

85	Prof.R.V.Bhagwat	AICTE sponsored STTP on Internet of Things	COEP, Pune	15 Feb-19 Feb. 2017
86	Prof.R.V.Bhagwat	TE-TTT	Dept. of E&TC, SCOE	5-10 June 2017
87	Prof. G. V. Madhikar	One day state level workshop on Advanced Telecommunication Symposium	E&TC Dept. SCOE In association with SPPU and National Instruments	27 Feb 2017
88	Prof. G. V. Madhikar	TTT- FE	Dept of Engg. Sciences SKNCOE	19 -24 June 2017
89	Prof. V.S.Dudhane	SE-TTT	Dept. of E&TC, SCOE	5-10 June 2017
90	Prof. V.S.Dudhane	FDP on Networking and Switching	5 days BVCOE, Pune	7-11 Feb 2017

**d. FDP/STP/TTT etc -Organized**

Sr. No	Name of the faculty	Title of the Programme	Period
1	Prof. S. B. Mule	One day state level workshop on “Advanced Telecommunication Symposium”	27/02/2017



One day state level workshop on “Advanced Telecommunication Symposium”

## • University Results

- Give the Percentage of university results without backlog / ATKT for the last four years

$$\% \text{ Result} = \frac{\text{No. of students passed without backlog / ATKT}}{\text{No. of students appeared for exam}}$$

Year	Previous P (2015-16)	P-1 (2014-15)	P-2 (2013-14)	P-3 (2014-13)
Second Year	67.5	70.75	79.13	64.59
Third Year	70	73.74	72.94	71.85
Final Year	91.52	94.38	93.66	94.57

Sr. No.	Department	Semester – II Results (%)		
		SE	TE	BE
1.	E&TC Engineering	70.63	71.93	94.39

• University rankers

Year	Class	Name of the student	Rank
206-17	BE	Joshi Pratik Avinash	02

• Value Added courses and Expert Sessions

Sr. No.	Department	Title	Conducted by	Duration From - To	No. of Students Enrolled
1.	E&TC Engineering	Seminar on Research Paper	Mrs. A. S. Pradhan	7/10/2016	45
2		Seminar on Mixed Signal Verification	Mr. Mangesh Bhalerao	5/10/2016	52
3		Seminar on “LATEX”	Prof. S.V. Tathe, SCOE, Pune	22/11/2016	40
4		Seminar on e-Yantra	Prof. M.N. Kakatkar, SCOE, Pune	20/07/2016	45
5		Seminar on “RFIC Design and RFIC Solutions”	Mr. Sanjay Moghe, RFIC Solutions, Pune	07/09/2016	12



6		C Programming	IITB and SCOE	03/10/2016	81
7		Scilab	IITB and SCOE	03/10/2016	238
8		Linux	IITB and SCOE	03/10/2016	31

## Expert Sessions

Sr. No	Name of Resource Person	Topic	Date	Class and Total number of Students (e.g S.E -120)
1	Mrs. A. S. Pradhan	Seminar on Research Paper	7/10/2016	ME-45
2	Mr. Mangesh Bhalerao	Seminar on Mixed Signal Verification	5/10/2016	ME-52
3	Prof. S.V. Tathe, SCOE, Pune	Seminar on "LATEX"	22/11/2016	BE-40
4	Prof. M.N. Kakatkar	Seminar on e-Yantra	20/07/2016	TE-45
5	Mr. Sanjay Moghe, RFIC Solutions, Pune	Seminar on "RFIC Design and RFIC Solutions	07/09/2016	ME-12

## • Memorandum of Understanding (MoUs):

Sr. No.	Department	No of MoUs
1.	E&TC Engineering	16

Sr. No	Date of the MoU	Name of the Industry / Organization	Purpose	Outcome
1	26/6/2017	INVICTAA ENTERPRISE	Conduction of Workshop for students, SDP/FDP	Students developed new skills through seminars.
2	18/05/2017	INFINTY SWITCH TECHNOLOGIES PVT. LTD.	Conduction of Workshop for students, SDP/FDP	Students were made aware about various job opportunities
3	05/05/2017	EMBEL TECHNOLOGIES	Conduction of Workshop for students, SDP/FDP	Seminars and workshops were conducted for students on embedded systems.
4	21/11/2016	HOUSE OF SCIENCE, AHMEDABAD	Conduction of Workshop for students, SDP/FDP	To encourage staff and students with newer developments
5	11/07/2016	GETSETSMART EDUTECH PRIVATE LTD.	Conduction of Workshop for students, SDP/FDP	Seminar conducted on recent trends in VLSI domain for students.
6	10/10/2016	ALBORG UNIVERSITY	To encourage students for higher studies	This tie-up had spread the awareness of higher education among faculties
7	08/02/2017	JAMBOREE	To encourage students for higher studies	Students are made aware about the advantages of pursuing higher studies
8	23/01/2017	GATEFOURM	To encourage students for higher studies	Students are made aware about the advantages of pursuing higher studies
9	Feb. 21, 2012	Processes N Migration	To conduct trainings on Employability skills	Seminars were conducted to motivate students to develop their skills

10	Jun. 24, 2013	Texas Instruments (Trident Techlabs Pvt. Ltd.)	To Establish teaching lab facility in the area TI MSP 430	Students and staff were encouraged to learn new microcontroller architecture
11	Jul. 5, 2005	ACTEL Inc.	<ol style="list-style-type: none"> <li>1. To establish dedicated laboratory to FPGA research, design and development.</li> <li>Equip the lab with basic amenities.</li> <li>2. To provide free use of hardware tools, software and sample FPGA devices.</li> </ol>	Through Seminars and workshops students and staff were encouraged to learn and develop new skills
12	Nov. 7, 2014	IGATE Global Solutions	To work with institution to help align the college curriculum to the industry requirements	Students are made aware about the advantages of pursuing higher studies
13	Jan 16, 2015	The Gate Academy, Pune	To provide mass counseling to the students	Students are made aware about the advantages of pursuing higher studies
14	Sept 30, 2015	e-Yantra (IIT Bombay)	To facilitate the setting up of Robotics lab through Task Based Training (TBT)	Students are encouraged to take part in various Task Based activity in co-ordination with IIT Bombay
15	Nov 6, 2015	Cypress Semiconductor Corporation	Received grant in terms of 4-M series Pioneer Kits	Through donation of kits students and staff were encouraged to learn new developments.
16	May 26, 2016	Mersion	To provide unique opportunities to the stakeholders to learn from world's top universities.	Students are made aware about the advantages of pursuing higher studies

## • Industrial Visits

Sr. No.	Department	No. Industrial Visits
1.	E&TC Engineering	04

Sr. No	Date of Visit	Name of the Industry / Organization	Location	Objective	Outcome
1	27/2/2017	AIR, Shivaginagar, Pune	Pune	Describe and analyze the mathematical techniques of generation, transmission and reception of amplitude modulation (AM), frequency modulation (FM) and phase modulation (PM) signals.	Understand and identify the fundamental concepts and various components of analog communication systems.
02	28/2/2017	GMRT	Khodad, Pune	To describe antenna fundamentals	To understand frequency dependent antennas
03	16/3/2017	Wonder Automation	Chandigarh	To show automation concepts	To understand PLC components
04	16/3/2017	Wonder Automation	Chandigarh	To show automation concepts	To understand PLC components

## • Student Projects:

Sr. No.	Department	No of projects by students	
		UG	PG
1.	E&TC Engineering	90	67

● **Field/ Industrial Projects for students during current year**

Sr. No	Name of Projects	No. of students enrolled for projects	Prominent Industries Sponsoring the projects
1	IOT based digital advertising board	3	Shalaka technologies
2	Job measurement and fault detection using camera interface	3	Automation teknix
3	Real Time ultrasonic flow meter using GSM	3	ELECTRONET EQUIPMENT PVT LTD
4	Traffic length queue management using digital image processing	3	Vivion conveyors
5	Fault detection in manufactured products using digital image processing	3	Speed automation
6	Object detection and distance finding	3	Aeron system pvt ltd.
7	Smart agriculture system using multi level water monitoring	3	Ieyze corporation pvt ltd.
8	PLC based data acquisition system	3	Proceca engg. ltd.
Total	08	24	

● **Students Internship summary:**

Sr. No	Name of student	Class	Course	Name of Company	Duration	Period
1	Apoorva Gupta	TE	(E&TC)	Nuclear Power corporation of India	1 month	30 days
2	Prasad Gholve	BE	(E&TC)	Precision Automation and Robotics India Ltd.	1 month	30 days
3	Aishwarya Unta	BE	(E&TC)	ADTECH Inventions Pvt. Ltd.	3 weeks	20 days

● **Students Internship details:**

Department	No of Internship by students	
	UG	PG
E&TC Engineering	3	Nil

● **Spoken Tutorial Project**

Sinhgad College of Engineering is a focused on the overall growth of students. In the same view, a step was taken in association with IIT, Bombay through the Spoken Tutorial Project. The Spoken Tutorial Project is about teaching and learning a particular FOSS (Free and Open Source Software) like Linux, Scilab, LaTeX, PHP & MySQL, Java, C/C++, and Library Office etc. via an easy Video tool - Spoken Tutorial. This is an initiative of National Mission on Education through Information and Communication Technology (ICT), launched by the Ministry of Human Resources and Development, Government of India to promote IT literacy through Open Source Software. The department wise results for various modules are as follows.



Electronics and Telecommunication		
Module Name	Students Attended Workshop	Students Cleared Test
C	81	81
Linux	31	31
Scilab	238	238
<b>Total</b>	<b>350</b>	<b>350</b>

• **Placement, Higher Studies, Self-Employment**

Sr. No.	Year	2016-17
i	Total No. of students placed including off campus	99
ii	No. of students going for higher studies	85
iii	No. of students self employed	02
iv	Total ( I + ii + iii)	186
v	Total students in final year	262
vi	$\% \text{ placement} = \frac{i + ii + iii}{iv}$	70.99

Sr. No	Name of Company	Date	No of student place
1	Softlink International	4th August'16	3
2	Oracle	19th sept'16	1
3	Cognizant	7,8/9/16	16
4	Accenture	25,26,27/9/16	27
5	Infosys	20,21/9/16	9
6	Capgemini	30/9, 1/10/16	3
7	L&T infotech	2,3,4/10/16	1
8	Tech Mahindra	4,5/10/16	6
9	NTT Data	16th Jan, 24th Jan Interviews	1
10	FACE	2,3 Feb	1
11	AMAZON	6th Feb	2
12	EPIC Research	15th Feb	1
13	Mphasis	21st Feb	2
14	Newgen	28/2/17	1
15	Centiro	17th Mar	1
16	AMDOCS	27/1,26/3	1
17	Tekdi (RKIT)	6th April'17	1

18	Think & Learn	3rd may	1
19	Think & Learn		1
20	KPIT(RKIT)	28th June'17	1
21	GTT	23rd June	1
22	Accenture off campus		13

### • Students Achievements

Sr. No.	Name of The Student	Activity	Organizer	Prize/Rank
1.	Abhishek Kumar	Technohunt	IEEE student chapter, 2016-17	Appreciation
2.	Pratik Joshi	'Introduction to marketing', an online non credit course	Wharton University of Pennsylvania, July 16,2016	Certification
3.	Sanjyoti Ranaware	Smart India Hackathon 2017	MHRD & AICTE, 2017	Inspiration award
4.	Sreekar Sangam	Project Mania	St. Vincent Pallotti College of Engg & Technology, Nagpur. Jan 27-28, 2017	Appreciation
5.	Prajakta Tambe	Project Mania	St. Vincent Pallotti College of Engg & Technology, Nagpur. Jan 27-28, 2017	Appreciation
6.	Sagar Shetty	Project Mania	St. Vincent Pallotti College of Engg & Technology, Nagpur.	Appreciation

			Jan 27-28, 2017	
7.	Karan Tongay	Dell Campassador	Dell International Service Pvt. Ltd. Feb 24th 2017	Winner
8.	Pratik Joshi	Paper Presented	International conference managing business in digital age.	Participation
9.	Kedar Dhere	Paper Presented	International conference managing business in digital age.	Participation
10.	Ninad Daithankar	Paper Presented	International conference managing business in digital age.	Participation
11.	Saurabh Dhone	Technohunt	IEEE student's chapter, E & TC dept. SCOE. Sept. 9th 2016	1st Prize
12.	Abhijeet Pawar	Azadi 70 Essay writing competition	MHRD, India. Aug. 2016	Appreciation
13.	Sreekar Sangam	Sinhgad Solar Vehical Championship.	SKNSCOE, Pandharpur. March 25-27, 2017	Runner up
14.	Aishwarya Unta	Project idea presentation	Innovation 2K17 beyond infinity, CCOEW. Feb. 24-26, 2017	2nd Prize
15.	Prasmit Shinde	Aptitude	Chemixir, AISSMSCOE Pune. Sept.12-14, 2016	2nd Prize
16.	Aniket Kale	College Ambassador	Techfest 2016-17, IIT Bombay, Dec 16-18, 2016	Award

17.	Ninad Daithankar	Classical Instrument Solo	Indradhanushya Youth festival 2016-17 by SPPU Board of students welfare & MESCOE. Sept 24, 2016	1 <sup>st</sup> Prize
18.	Sanket Bhosale	Hindustan Classical Music	Akhil Bhartiya Sanskrutik Sangh, Pune. 2016	3rd Prize
19.	Abhishek Gholap	Set director	Bharat Karandak.	1st prize
20.	Aaquib Sayyed	Sound Technician	Bharat Karandak	2nd prize
21.	Animesh Kumar	Sound Technician	Bharat Karandak	2nd prize
22.	Omkar Lolge	Aegis of Rock	Sinhgad Karandak. Feb 9-13, 2017	1st prize
23.	Vipul Roy	Group dance	Sinhgad Karandak Feb 9-13, 2017	Runner up
24.	Vipul Roy	Swing & Sync	Transcend 2017 by Symbiosis institute of business management, Pune. Jan 20-22, 2017	1st Prize
25.	Vipul Roy	Group dance	Panache 2017 by Smt. Hiraben Nanavati Institute of management & research for women. 2017	Runner up
26.	Aaquib Sayyed	Music	Dajikaka Gadgil Karandak.	3rd Prize

27.	Aaquib Sayyed	Music	Loksatta Lokanankika	1st Prize
28.	Sanket Bhosale	Synthesizer	Firodiya Karandak	3rd Prize
29.	Omkar Lolge	Lead Guitar	Firodiya Karandak	3rd Prize
30.	Omkar Lolge	Music Composition	Firodiya Karandak	1st Prize
31.	Animesh Kumar	Music	Dajikaka Gadgil Karandak	3rd Prize
32.	Aaquib Sayyed	Play	Loksatta Ekankika	3rd Prize
33.	Omkar Lolge	Play	Loksatta Ekankika	3rd Prize
34.	Abhishek Gholap	Play	Loksatta Ekankika	3rd Prize
35.	Vipul Roy	Play	Loksatta Ekankika	3rd Prize
36.	Bhakti Kulkarni	Play	Loksatta Ekankika	3rd Prize
37.	Pooja Kulkarni	Play	Loksatta Ekankika	3rd Prize
38.	Pratik Petkar	Play	Loksatta Ekankika	3rd Prize
39.	Sanjay Bhosale	Play	Loksatta Ekankika	3rd Prize
40.	Nikki Gaikwad	Play	Loksatta Ekankika	3rd Prize
41.	Umakiran Takale	Play	Loksatta Ekankika	3rd Prize
42.	Shantanu Bhosale	Play	Loksatta Ekankika	3rd Prize
43.	Animesh Kumar	Play	Loksatta Ekankika	3rd Prize



44.	Aditi Chikalikar	Play	Loksatta Ekankika	3rd Prize
45.	Kaushik Kabade	Play	Loksatta Ekankika	3rd Prize
46.	Ashwin Punyani	Play	Loksatta Ekankika	3rd Prize
47.	Onkar Uchegaonkar	Play	Loksatta Ekankika	3rd Prize
48.	Aaquib Sayyed	Play	Bharat Karandak	1st Runner-up
49.	Omkar Lolge	Play	Bharat Karandak	1st Runner-up
50.	Abhishek Gholap	Play	Bharat Karandak	1st Runner-up
51.	Vipul Roy	Play	Bharat Karandak	1st Runner-up
52.	Bhakti Kulkarni	Play	Bharat Karandak	1st Runner-up
53.	Pooja Kulkarni	Play	Bharat Karandak	1st Runner-up
54.	Pratik Petkar	Play	Bharat Karandak	1st Runner-up
55.	Sanjay Bhosale	Play	Bharat Karandak	1st Runner-up
56.	Nikki Gaikwad	Play	Bharat Karandak	1st Runner-up
57.	Umakiran Takale	Play	Bharat Karandak	1st Runner-up
58.	Shantanu Bhosale	Play	Bharat Karandak	1st Runner-up
59.	Animesh Kumar	Play	Bharat Karandak	1st Runner-up
60.	Aditi Chikalikar	Play	Bharat Karandak	1st Runner-up

61.	Kaushik Kabade	Play	Bharat Karandak	1st Runner-up
62.	Ashwin Punyani	Play	Bharat Karandak	1st Runner-up
63.	Onkar Uchegaonkar	Play	Bharat Karandak	1st Runner-up
64.	Aaquib Sayyed	Play	Dajikaka Gadgil Karandak	Runner-up
65.	Omkar Lolge	Play	Dajikaka Gadgil Karandak	Runner-up
66.	Abhishek Gholap	Play	Dajikaka Gadgil Karandak	Runner-up
67.	Vipul Roy	Play	Dajikaka Gadgil Karandak	Runner-up
68.	Bhakti Kulkarni	Play	Dajikaka Gadgil Karandak	Runner-up
69.	Pooja Kulkarni	Play	Dajikaka Gadgil Karandak	Runner-up
70.	Pratik Petkar	Play	Dajikaka Gadgil Karandak	Runner-up
71.	Sanjay Bhosale	Play	Dajikaka Gadgil Karandak	Runner-up
72.	Nikki Gaikwad	Play	Dajikaka Gadgil Karandak	Runner-up
73.	Umakiran Takale	Play	Dajikaka Gadgil Karandak	Runner-up
74.	Shantanu Bhosale	Play	Dajikaka Gadgil Karandak	Runner-up
75.	Animesh Kumar	Play	Dajikaka Gadgil Karandak	Runner-up
76.	Aditi Chikalikar	Play	Dajikaka Gadgil Karandak	Runner-up
77.	Kaushik Kabade	Play	Dajikaka Gadgil Karandak	Runner-up

78.	Ashwin Punyani	Play	Dajikaka Gadgil Karandak	Runner-up
79.	Onkar Uchegaonkar	Play	Dajikaka Gadgil Karandak	Runner-up
80.	Kedar Dhere	Chess	MIT Summit 2016. Aug. 31- Sept 4, 2016	2nd Prize
81.	Shantanu Godbole	Chess	MIT Summit 2016 Aug. 31- Sept 4, 2016	2nd Prize
82.	Yugank Chettri	Football	Shahu Tournament. Feb 2017	Winner
83.	Melvin Naronha	Football	Shahu Tournament. Feb 2017	Winner
84.	Devashish Doi	Football	Shahu Tournament. Feb 2017	Winner
85.	Harshal Patil	Football	Shahu Tournament. Feb 2017	Winner
86.	Satishkumar Bansode	Cricket (B)	VJTI Cup. Dec 20, 2016-Jan 20, 2017	Winner
87.	Nikhil Gudi	Cricket (B)	VJTI Cup, Dec 20, 2016-Jan 20, 2017	Winner
88.	Rohan Chavan	Cricket (B)	VJTI Cup. Dec 20, 2016-Jan 20, 2017	Winner
89.	Avinash Aade	Cricket (B)	VJTI Cup. Dec 20, 2016-Jan 20, 2017	Winner
90.	Mayur Mundhada	Cricket (B)	VJTI Cup. Dec 20, 2016-Jan 20, 2017	Winner
91.	Maithili Dhule	Cricket (G)	Sinhgad Sports karandak. Jan 1-14, 2017	Winner
92.	Simran Arora	Football (G)	Sinhgad Sports karandak. Jan 1-14, 2017	Winner

93.	Sonakshi Goyal	Football (G)	Sinhgad Sports karandak. Jan 1-14,2017	Winner
94.	Samiksha Suryawanshi	Football (G)	Sinhgad Sports karandak. Jan 1-14,2017	Winner
95.	Anarkali Prabhakar	Football (G)	Sinhgad Sports karandak. Jan 1-14,2017	Winner
96.	Ankita Awati	Football (G)	Sinhgad Sports karandak. Jan 1-14,2017	Winner
97.	Swati Priya	Football (G)	Sinhgad Sports karandak. Jan 1-14,2017	Winner
98.	Trupti Katkar	Throwball (G)	Sinhgad Sports karandak. Jan 1-14,2017	Winner
99.	Snehal Bansode	Throwball (G)	Sinhgad Sports karandak	Winner
100.	Sonal Gosavi	Basketball (G)	Sinhgad Sports karandak. Jan 1-14,2017	Winner
101.	Snehal tambe	Kabaddi (G)	Sinhgad Sports karandak. Jan 1-14,2017	Runner Up
102.	Aishwarya Unta	4*100 m Relay (G)	Sinhgad Sports karandak. Jan 1-14,2017	Runner Up
103.	Snehal tambe	Kabaddi (G)	ZEST 2017. Jan. 25-28, 2017	Runner Up
104.	Shantanu Godbole	Relay Chess	PICT. Jan 2017	First
105.	Shantanu Godbole	Rapid Chess	PICT, Jan 2017	Third

106.	Shreya Surve	4*100 m Relay (G)	Sinhgad Sports karandak. Jan 1-14, 2017	Runner Up
107	Ambhore Snehal Rahul	World Environment Day	College	Participated
108	Avhad Harshada Eknath	World Environment Day	College	Participated
109	Awati Ankita Jivandhar  (14 more students)	World Environment Day	College	Participated
110	Ambhore Snehal Rahul	Nirmal Wari	College	Participated
111	Avhad Harshada Eknath	Nirmal Wari	College	Participated
112	Awati Ankita Jivandhar  (14 more students)	Nirmal Wari	College	Participated
113	Ambhore Snehal Rahul	Tree Plantation	College	Participated
114	Avhad Harshada Eknath	Tree Plantation	College	Participated
115	Awati Ankita Jivandhar  (14 more students)	Tree Plantation	College	Participated
116	Ambhore Snehal Rahul	Grahak Sanrakshan Jagruti Abhiyan	SPPU	Participated

117	Avhad Harshada Eknath	Grahak Sanrakshan Jagruti Abhiyan	SPPU	Participated
118	Awati Ankita Jivandhar (14 more students)	Grahak Sanrakshan Jagruti Abhiyan	SPPU	Participated
119	Ambhore Snehal Rahul	Organ Donation Drive	College	Participated
120	Avhad Harshada Eknath	Organ Donation Drive	College	Participated
121	Awati Ankita Jivandhar (14 more students)	Organ Donation Drive	College	Participated
122	Ambhore Snehal Rahul	State level / National level Republic Day Parade selection	SPPU	Participated
123	Avhad Harshada Eknath	State level / National level Republic Day Parade selection	SPPU	Participated
124	Awati Ankita Jivandhar (14 more students)	State level / National level Republic Day Parade selection	SPPU	Participated
125	Ambhore Snehal Rahul	Cleanliness drive	College	Participated
126	Avhad Harshada Eknath	Cleanliness drive	College	Participated
127	Awati Ankita Jivandhar	Cleanliness drive	College	Participated



	(14 more students)			
128	Ambhore Snehal Rahul	Blood Donation Camp	College	Participated
129	Avhad Harshada Eknath	Blood Donation Camp	College	Participated
130	Awati Ankita Jivandhar  (14 more students)	Blood Donation Camp	College	Participated
131	Ambhore Snehal Rahul	Debate Competition	College	Participated
132	Avhad Harshada Eknath	Debate Competition	College	Participated
133	Awati Ankita Jivandhar  (14 more students)	Debate Competition	College	Participated
134	Ambhore Snehal Rahul	Traffic Awareness Program	College	Participated
135	Avhad Harshada Eknath	Traffic Awareness Program	College	Participated
136	Awati Ankita Jivandhar  (14 more students)	Traffic Awareness Program	College	Participated
137	Ambhore Snehal Rahul	Workshop on Career Guidance	College	Participated

138	Avhad Harshada Eknath	Workshop on Carrier Guidance	College	Participated
139	Awati Ankita Jivandhar (14 more students)	Workshop on Carrier Guidance	College	Participated
140	Ambhore Snehal Rahul	Swacha Bharat Abhiyan	College	Participated
141	Avhad Harshada Eknath	Swacha Bharat Abhiyan	College	Participated
142	Awati Ankita Jivandhar (14 more students)	Swacha Bharat Abhiyan	College	Participated
143	Ambhore Snehal Rahul	Eye Donation Awareness Drive	College	Participated
144	Avhad Harshada Eknath	Eye Donation Awareness Drive	College	Participated
145	Awati Ankita Jivandhar (14 more students)	Eye Donation Awareness Drive	College	Participated
146	Ambhore Snehal Rahul	Book Donation Drive	College	Participated
147	Avhad Harshada Eknath	Book Donation Drive	College	Participated
148	Awati Ankita Jivandhar (14 more students)	Book Donation Drive	College	Participated

149	Ambhore Snehal Rahul	Bandhara Construction	College	Participated
150	Avhad Harshada Eknath	Bandhara Construction	College	Participated
151	Awati Ankita Jivandhar  (14 more students)	Bandhara Construction	College	Participated
152	Ambhore Snehal Rahul	Traffic Parliament and Elocution Competition	SPPU	Participated
153	Avhad Harshada Eknath	Traffic Parliament and Elocution Competition	SPPU	Participated
154	Awati Ankita Jivandhar  (14 more students)	Traffic Parliament and Elocution Competition	SPPU	Participated
155	Ambhore Snehal Rahul	Winter Cloth donation drive	College	Participated
156	Avhad Harshada Eknath	Winter Cloth donation drive	College	Participated
157	Awati Ankita Jivandhar  (14 more students)	Winter Cloth donation drive	College	Participated
158	Ambhore Snehal Rahul	Road Safety Program	College	Participated
159	Avhad Harshada Eknath	Road Safety Program	College	Participated

160	Awati Ankita Jivandhar  (14 more students)	Road Safety Program	College	Participated
161	Ambhore Snehal Rahul	Voters Awareness Activity	College	Participated
162	Avhad Harshada Eknath	Voters Awareness Activity	College	Participated
163	Awati Ankita Jivandhar  (14 more students)	Voters Awareness Activity	College	Participated
164	Ambhore Snehal Rahul	SPPU Street Play Competition	SPPU	Participated
165	Avhad Harshada Eknath	SPPU Street Play Competition	SPPU	Participated
166	Awati Ankita Jivandhar  (14 more students)	SPPU Street Play Competition	SPPU	Participated
167	Ambhore Snehal Rahul	Utkarsh”: State Level Social and Cultural Competition	SPPU	Participated
168	Avhad Harshada Eknath	Utkarsh”: State Level Social and Cultural Competition	SPPU	Participated
169	Awati Ankita Jivandhar  (14 more students)	Utkarsh”: State Level Social and Cultural Competition	SPPU	Participated

170	Ambhore Snehal Rahul	Workshop on Disaster Management	College	Participated
171	Avhad Harshada Eknath	Workshop on Disaster Management	College	Participated
172	Awati Ankita Jivandhar  (14 more students)	Workshop on Disaster Management	College	Participated
173	Ambhore Snehal Rahul	Special winter camp at Harishchandri	College	Participated
174	Avhad Harshada Eknath	Special winter camp at Harishchandri	College	Participated
175	Awati Ankita Jivandhar  (14 more students)	Special winter camp at Harishchandri	College	Participated
176	Ambhore Snehal Rahul	Clean India and Natural Conservation Camp	College	Participated
177	Avhad Harshada Eknath	Clean India and Natural Conservation Camp	College	Participated
178	Awati Ankita Jivandhar  (14 more students)	Clean India and Natural Conservation Camp	College	Participated

## • Incubation Centre

Department has strong close liaison with leading industries since more than a decade. This liaison is strengthened with the help of Industry-Institute Interaction Cell (I2IC), Incubation Center and Industrial Visits.

## Objectives:

- ❖ To get Sponsorship for projects of under graduate & Post graduate students
- ❖ To deliver Guest lecturers in various domain of interest
- ❖ To work as External examiner for U.G. and P.G. Project work
- ❖ To provide Industrial training to faculty
- ❖ To provide Internship to desired students
- ❖ To work as a Technical adviser in students projects
- ❖ To help in Establishment of incubation unit
- ❖ To provide guidance as a Technical adviser in FDP, STTP and conference
- ❖ To work as a Adjunct Faculty

### List of Industry Cell Members:

Sr. No.	Name of Cell Member	Designation of Cell Member	E-mail Id	Mobile Number
1	Mr.Sunil Desai	CEO, Maven Systems Private Limited, Pune.	<a href="mailto:sunil.desai@mavensystems.com">sunil.desai@mavensystems.com</a>	9850553286
2	Mr. Sudarshan Natu	Vice President, Harman International, Pune.	<a href="mailto:sudarshan.natu@symphonysv.com">sudarshan.natu@symphonysv.com</a>	9822068430
3	Mr. Hemant Kamath	Co-founder and CTO, Shalaka Technologies Pvt. Ltd., Pune.	<a href="mailto:hemant.kamat@shalaka.com">hemant.kamat@shalaka.com</a>	9822847558
4	Mr. Shashikant Kamathe	Project Manager, Wavelet Technologies Pvt. Ltd., Pune.	<a href="mailto:kamathe.shashikant@gmail.com">kamathe.shashikant@gmail.com</a>	9423010016
5	Mr. Pravin Ambekar	Proprietor, AMBS C-DSP, Aurangabad.	<a href="mailto:ambekarpp@gmail.com">ambekarpp@gmail.com</a>	9890454399
6	Mr. H. K. Sawant	Director, HKS System, Pune.	<a href="mailto:hemant1960@gmail.com">hemant1960@gmail.com</a>	9822007653



7	Mr. Anirudha Barve	Senior Manager, TATA Elxsi Ltd, Bangalore.	<a href="mailto:anibarve@gmail.com">anibarve@gmail.com</a>	7709330495
8	Mr. Nitin Ravekar	Staff Engineer, LSI Technology, Pune.	<a href="mailto:nitin.ravekar@gmail.com">nitin.ravekar@gmail.com</a>	9527693900
9	Ms. Uma Jadhav	Partner, Nexas Creations, Pune.	<a href="mailto:umaj99@gmail.com">umaj99@gmail.com</a>	9552515115
10	Mr. Vinay Sharma	CEO, ni2 Logic Pvt. Ltd., Pune.	<a href="mailto:vinay@ni2designs.com">vinay@ni2designs.com</a>	9890393925
11	Mr. Satyajeet Paradeshi	Project Manager, Emerson Innovation Center, Pune.	<a href="mailto:satyajeet.paradeshi@gmail.com">satyajeet.paradeshi@gmail.com</a>	9822085365
12	Mr. Kunal Patil	Hardware Engineer, TCS, Pune.	<a href="mailto:kunal_8086@yahoo.co.in">kunal_8086@yahoo.co.in</a>	9545509468
13	Mr. Aniket Deshpande	Design Engineer, Intel Corporation, Pune.	<a href="mailto:aniket.deshpande@gmail.com">aniket.deshpande@gmail.com</a>	9423007897
14	Mr. Mangesh Bhalerao	Independent IC Design Consultant, UK.	<a href="mailto:mangesh.bhalerao@gmail.com">mangesh.bhalerao@gmail.com</a>	44757451272
15	Mr. D. N. Doiphode	Partner, Spectra Vision Sales & Service, Pune.	<a href="mailto:spectravisiond@gmail.com">spectravisiond@gmail.com</a>	9822085365
16	Mr. Sunil Padsalgi	Senior Consultant, Cognizant Technology Solutions, Pune.	<a href="mailto:satyajeet.paradeshi@gmail.com">satyajeet.paradeshi@gmail.com</a>	9822085365

17	Mr. Parag Karve	Senior Technical Analyst - Project Lead at IBM India Pvt. Ltd., Pune.	<a href="mailto:karve.parag@gmail.com">karve.parag@gmail.com</a>	9881745503
18	Mr. Yogesh Joshi	Director, Smartek Controls Pvt. Ltd., Pune.	<a href="mailto:yogeshembedded@gmail.com">yogeshembedded@gmail.com</a>	9822847558
19	Mr. Ravikant Patil	Network Architecture, Jupicon Technology Pvt. Ltd., Mumbai.	<a href="mailto:ravikant4784@gmail.com">ravikant4784@gmail.com</a>	9762313961
20	Mr. Sneha Thakkar	Co- founder, SmartOrder, Pune.	<a href="mailto:support@concepts1729.com">support@concepts1729.com</a>	7350444333
21	Mr. Sharmik Bothara	Executive Director, Kalpadruma Fineserve Ltd., Pune.	<a href="mailto:sharenik.bothara@kalpadruma.com">sharenik.bothara@kalpadruma.com</a>	7276373634
22	Dr. M. B. Mali	Head - Department of E & TC.	<a href="mailto:mbmali.scoe@sinhgad.edu">mbmali.scoe@sinhgad.edu</a>	9822893167
23	Mr. M. M. Jadhav	Coordinator - Industry Institute Interaction Cell.	<a href="mailto:mmjadhav.scoe@sinhgad.edu">mmjadhav.scoe@sinhgad.edu</a>	9890644649
24	Mr. S. D. Mali	Coordinator - Training and Placement.	<a href="mailto:sdmali.scoe@sinhgad.edu">sdmali.scoe@sinhgad.edu</a>	9422514522
25	Mrs. M. N. Namewar	Co-Coordinator - Training and Placement.	<a href="mailto:mnnamewar.scoe@sinhgad.edu">mnnamewar.scoe@sinhgad.edu</a>	9604604353
26	Mr. G. V. Madhikar	Co-Coordinator - Industry Institute Interaction Cell.	<a href="mailto:gvmadhikar.scoe@sinhgad.edu">gvmadhikar.scoe@sinhgad.edu</a>	8087272916

Department has liaison with leading Industries since along. Incubation center is the outcome of this extended liaison. It is inaugurated by the hands of Mr. Sunil Desai, CEO-Maven Systems. Objectives of the center are Transfer of Technology (ToT), Resource sharing, Knowledge sharing, Projects through association, Corporate training etc.



### **Our Alumni Incubators**

❖ **Akshay Parmane, Director (Think Quotient Software Pvt. Ltd)**



- He is Passed out in 2012
- Start-up to develop Online course material to educational organizations
- Founder and CEO of 'Your IT Laksya' for providing Training & Placement.

❖ **Mangesh Bhalerao, CEO (Get Smart EduTech Pvt. Ltd.)**



- He is Passed out in 2002
- Star-up for development of E-learning web study contents on mobile Platform.
- Independent IC Design Consultant, U.K.

**Following activities carried out under Incubation Centre**



Mr. Sudarshan Natu was invited as a Chief Guest and Mr. Parag Karve as Alumina for FE Induction Program 2016.



Mr. Mangesh Bhalerao (Incubator) has conducted workshop on “Zero to One Crore” Entrepreneurship Development program.

Mr. Sudarshan Natu has given consent to work as Adjunct Faculty under AICTE Quality Improvement Schemes – AQIS.

Two more Alumina, Mr. Dudulwar and Mr. Mittal has signed MOU as Incubators for their Start - up.

Total 16 Cell members have given their consent to work as a Adjunct faculty for contributing technically as per the AICTE norms. The main focus of work will be to catch-hold patentable project that will motivate students for become Entrepreneurs.

Mr. A. P. Vikrant from Cubez Technocrats Pvt. Ltd conducted workshop on Raspberry Pi for UG students.



### • Industry Funded Laboratories:

Department of E & TC is actively working to create technically equipped next generation students. For this eminent industries extended their support and donated lab equipments and softwares to E & TC Department of Sinhgad C.O. E. These labs ample resources from INTEL, TEXAS, XILINXS, ACTEL etc. Now S.C.O. E., E & TC students are working in all such companies and on leading positions. The sponsored labs builds cutting edge knowledge domain of faculties and students and it immensely help to tune up with upcoming technologies. Department is looking forward for such more collaborations in the near future.

#### 1. ACTEL:

##### Objectives:

- To provide hands on and practical exposure of FPGA, CPLD, Libero etc.
- To build cutting edge technologies domain and to make the students to tune up with upcoming technologies.
- To provide the platform to the students for FPGA based interfacing projects.

**Introduction :** The hardware and software funded by ACTEL is grooming up students to work in semiconductor industries. The hands on and practical exposure of FPGA, CPLD, Libero etc. build students and ready to work in VLSI MNC companies. The fundamentals of digital and VLSI design are governed by ACTEL Hardware and software. Many students used these resources in their UG/ PG Projects.

**Amount :** 1. 2 Cr.

**Activities:** Several UG and PG Projects are carried out under Actel funded lab.



- FPGA based physical parameter monitoring system
- GPS based navigation system for railways
- Intelligent Mobile Robot, Configurable efficient ALU etc.

## 2. TEXAS :

### Objectives:

- To develop students with comprehensive knowledge of DSP Processors and Microcontrollers to solve signal processing algorithms.
- To design a system or algorithm of signal processing to meet desired realistic needs.

**Introduction:** The MSP430 is a mixed signal microcontroller family from Texas Instruments. Built around a 16 bit CPU, the MSP430 is designed for low cost and, specifically, low power consumption embedded application.

The MSP 430 can also be used for low power embedded devices. The current drawn in idle mode can be less than 1  $\mu$ A. The top CPU speed is 25 MHz. It can be throttled back for lower power consumption. The MSP430 also uses six different low-power modes, which can disable unneeded clocks and CPU. Additionally, the MSP430 is capable of wake-up times below 1 microsecond, allowing the microcontroller to stay in sleep mode longer, minimizing its average current consumption. The device comes in a variety of configurations featuring the usual peripherals: Some less usual peripheral options are also added.

**Amount :** Rs. 40,000/-

## 3. INTEL FICE Lab

### Objectives:

- To develop students with solid foundation in recent microcontroller platforms.
- To nurture students with comprehensive knowledge and skills in Arduino programming.
- To get acquainted with Intel Galileo board as Embedded system platform.
- To expertise in designing real world situations using updated Galileo board platform.

The Intel Intelligent Systems lab is to introduce engineering students to state of art platform of Intel Galileo board to design and develop Embedded systems, to help them carrying out their project/ dissertation work. These boards are based on Intel Quark/ SoC X 1000 Application processor and Inforce SYS 94XX reference platform. Galileo is 32 bit Intel Platinum class system on a chip. It is the first board based on Intel Architecture designed to be compatible with Arduino shield. The objective of this lab is to provide platform to the various researchers from academia, industrial

persons and R & D organizations to enhance the research in the area of Embedded System with platform of Galileo board. In the lab, students will understand to build setups based on interactive sensors and output devices. The learners will experiment Wi Fi and bluetooth like wireless communication protocols with Galileo board. Also some vision based projects could also be carried out.



**Amount :** Rs. 3,11,352/-

#### **Projects carried out in Intel Intelligent Systems Lab:**

Automatic Kitchen Safety using wireless sensor.

Intelligent medical system

Aid for physically challenged people

Campus location addressing using Intel Galileo

Mobile app interfacing with Intel Galileo

#### **4. ST Microelectronics:**

##### **Objectives:**

- To provide modern engineering tools for students to design and develop electronics systems for real life problems.
- To enrich student's knowledge in efficient embedded systems design.

- To nurture the students in System on chip design, real time operating system design, Internet of Things.

**Introduction:** The liaison has set up between department of E & TC - Sinhgad COE with ARM Ltd. UK enables additional use of ARM Technology. The consignment of high end development boards and state of the Art- Keil Design software completely free of cost and based on knowledge strength for academic holy purpose. The beneficiary of this development are laboratories, UG/ PG student projects , research, Faculty/ Student development. The contents of software tools are 100 licenses for Keil MDK. ARM offers the Keil Microcontroller Development Boards(MDK -ARM) for ARM powered microcontrollers. It features the industry standard compiler from ARM , The Keil Micro Vision IDE and sophisticated debug and data trace capabilities It offers tailored support for all Cortex M processor based devices, and the recommended solutions for students working with standard ARM based MCU devices.

The lab also includes Development boards, 10 ARM Cortex based STM32F4 Discovery Boards from ST Microelectronics. The STM32F4 Discovery helps to discover the STM32F4 high performance features and to develop your applications easily. It includes everything required for beginners and experienced users to get started quickly. Based on STM32F407VG T6 , it includes ST-LINK/V2 embedded debug tool, two ST MEMS, digital accelerometer and digital microphone, one audio DAC with integrated class D speaker drive, LED and push buttons and a USB OTG micro AB connector.

**Amount :** Rs. 9,38,21,708/-

**Activities:** B. E. Projects are carried out using the Keil software and Kits from ARM STMicroelectronics.

- Rainfall and Landslide detection using WSN
- Automatic Vehicle identification using ARM Processor

## 5. Xilinx :

### Objectives:

- To provide hands on and practical exposure of FPGA, CPLD, Libero etc.
- To build cutting edge technologies domain and to make the students to tune up with upcoming technologies.
- To provide the platform to the students for FPGA based interfacing projects.

**Introduction :** The ISE 14.7 software (10 License) funded by XILINX is grooming up students to work in semiconductor industries. The hands on and practical exposure of FPGA, CPLD, Libero

etc. build students and ready to work in VLSI MNC companies. The fundamentals of digital and VLSI design are governed by Xilinx software. Many students used these resources in their UG/ PG Projects.

**Amount :** 10 Lac.

**Activities:** Several UG and PG Projects are carried out under Xilinx funded lab.

## **6. eYantra Lab:**

### **Objectives:**

- To provide a platform for students/ trainers to demonstrate their knowledge and programming skills in Embedded Systems and Robotics.
- To learn by doing. It provides an opportunity for students to apply their knowledge to solve real life problems with given hardware.
- To implement better projects with help from eYantra open source community.
- To get better performance at competitions such as the eYantra Robotics Competition (eYRC)

**Introduction:** e-Yantra is a project by IIT ,Bombay to spread education in Embedded Systems and Robotics. This project has been sponsored by Ministry of Human Resource Development. The eYantra Lab Setup Initiative supports infrastructure at colleges by providing a platform for training teachers and students both in theory and applications in Robotics, in addition to providing guidance in setting up Robotics Lab.

Benefit to the students is that training students through hands on projects is imperative in producing successful innovators and entrepreneurs. eYantra facilitates the infrastructure creation by sharing its experience and expertise.



**Amount:** Rs.53,997/-

**Activities:** The eYantra Lab was inaugurated at the hands of Dr. S. D. Lokhande, Principal, Sinhgad College of Engineering along with Dr. M. B. Mali, Head of E & TC Department on 8<sup>th</sup> September, 2016. The inauguration ceremony was on line along with eYantra team (eLSI) at IIT, Bombay. The other dignitaries on the dais include Dr. R. S. Kawitkar, Dr. S. R. Ganorkar, Dr. S. S. Lokhande, Dr. V. V. Dixit, Prof. M. M. Jadhav. The team members of eYantra Lab, are Prof. M. N. Kakatkar, Prof. A. V. Bankar, Prof. R. R. Deshmukh and Prof. K. S. Khandelwal.

### • Departmental Library

- Department Library Facility is available.
- Books (Hard copy)- No of Titles= 428.
- Books (Hard copy)- No. of Volumes=495
- No. of Journals subscribed =Nil.
- National Magazines (Hard copy) =02
- National Journals (Hard copy) =06
- International Journals ((Hard copy) =01
- International Magazines (Hard copy) =Nil
- Carpet Area in Use for Library (in Sq. Mtr. )=45.
- Facilities in Department - Library
  - 1) Desk for reading books
  - 2) Books issuing facility



• **Faculties as Resource Persons outside Dept**

Sr. No.	Name of The Faculty	Name of Institute/Industry where faculty was called as resource person	Type of resource (Seminar/Guest Lecture/Expert/Judge/Referee/Examiner etc.)	Date
1	Dr. M. B. Mali	Evaluating research proposal of BCUD funded project "Innovation 2016" at JSPM Rajashri Shahu College of Engg.,Tathawade ,Pune	Judge	6 October 2016
2	Dr. M. B. Mali	MIT Persona Fest 2017 at MIT Art, Design &Technology University ,Loni Kalbhor Pune.	Judge	4 Feb 2017.
3	Dr. M. B. Mali	Ph.D. progress monitoring committee at PICT ,Pune	Expert	1 Feb. 2017
4	Dr. M. B. Mali	IT Olympiad 2017 at COEP	Resource Person	21st Jan 2017



7	Dr. M. B. Mali	IT Olympiad 2017 at COEP	Resource Person	21 Jan 2017
8	Dr. M. B. Mali	NAAC preparation at Dattakala Group of Institution, Faculty of Engineering	Expert	12 Nov 2016
9	Dr. M. B. Mali	IEEE international conference on “Advances in Electronics, Communication & Computer Technology. At JSPM Tathwade.	Session Chair	2-3 Dec 2016
10	Dr. M. B. Mali	TE Syllabus Revision Committee at PES M COE, Pune	Coordinator	7 Oct. 2016
11	Dr. M. B. Mali	Introduction to PLD for BE & ME E&TC students at SIT,Lonawala	Guest Lecture	1 Oct. 2016
12	Dr. M. B. Mali	orientation lectures on “AVISHKAR-2016”in association with SPPU at IT department, SCOE, Pune	Resource person	September 2016.
13	Dr. M. B. Mali	Delivered a session on “Signal Integrity Issues” during ASIC Design Workshop at E&TC department MIT,Pune	Expert	31 Aug. 2016
14	Dr. R. S. Kawitkar	M. Tech. E&TC, Digital System for the subject Digital Design & Verification at COE Pune	Paper setter	3 Dec. 2016
15	Dr. S. S. Lokhande	TE Syllabus Revision Committee at PES M COE, Pune	Coordinator	7 Oct. 2016
16	Dr. S. S. Lokhande	Worked as a Judge for BCUD funded project under innovation 2016 at JSPM RSCOE, Tathawade, Pune.	Judge	6 Oct 2016.



17	Dr. A. M. Deshmukh	Introduction to PLD for BE & ME E&TC students at SIT, Lonawala	Guest Lecture	1 Oct. 2016
18	Prof. S. A. Shirsat	orientation lectures on “AVISHKAR-2016” in association with SPPU at IT department, SCOE, Pune	Resource person	September 2016.
19	Prof. Y. D. Chincholkar	Worked as a External examiner for Ph.D. proposal review at E&TC department MIT, Pune.	External examiner	10 Aug. 2016
20	Prof. V. G. Raut	Delivered a session on “Signal Integrity Issues” during ASIC Design Workshop at E&TC department MIT, Pune	Expert	31 Aug. 2016
21	Prof. S. D. Mali	Delivered expert lecture on “Electronic Devices and Circuits” for SE students at Shri Chhatrapati Shivajiraje College of Engg.	expert lecture	03 October 2016
22	Prof. G. N. Gaikwad	Delivered expert lecture on “Fourier series and Fourier Transform” for SE students at Zeal college of Engg. and research	expert lecture	2 December 2016
23	Prof. D. G. Ganage	Delivered expert lecture on “Electromagnetic and Transmission Lines” for TE students at Shri Chhatrapati Shivajiraje College of Engg.	expert lecture	8 October 2016
24	Prof. D. G. Ganage	seminar by ENTC department at NBN Sinhgad School of Engg.	resource person	04 October 2016
25	Prof. D. G. Ganage	Delivered expert lecture on “Microwave Engineering” for BE students at Shri Chhatrapati Shivajiraje College of Engg.	expert lecture	03 October 2016

26	Prof. M. S. Kakade	Delivered expert lecture on “Introduction to Embedded Linux Kernel Construction” at MIT College of Engg.	expert lecture	08 July 2016
27	Prof. R. V. Pawar	As resource person for the workshop on “Speech Technology” at VIT, Pune	resource person	28 September 2016

# **Annual Academic Audit Report**

## **Information Technology Department**

### **2016-17**

## • **Mission:**

Holistic development of students and teachers is what we believe in and work for. We strive to achieve this by 1 imbibing an unique value system, transparent work culture, excellent academic and physical environment conducive to learning, creativity and technology transfer. Our mandate is to generate, preserve and share knowledge for developing a vibrant Society.

## • **Quality Policy:**

Quality Policy aims to establish centre of excellence for technical education and research in Engineering & Technology by way of;

- Inducting faculty having sound knowledge in the field of Science and Engineering and to make special efforts to retain them.
- Proven good results and admitting quality students.
- Developing human capital by supporting talent, ideas and energies of outstanding individuals.
- Promoting partnerships with the quality institutes like IITs', IISc, etc. , research organizations like ARAI, NCL, C-DAC, etc. & prominent corporate houses.

Developing excellent teaching learning process by establishing cohesive bond between students & faculty and healthy atmosphere with decent discipline.

## • **Goals:**

### • **Long Term Goals**

1. To keep pace with technology and process through industrial training of faculty, staff and students
2. To inculcate quality, social, ethical and eco-friendly awareness among the students
3. To develop state-of-the-art research center, to induce thirst of knowledge and research in every student and professional.
4. To develop an Engineering Knowledge Centre of Society in general

### • **Short Term Goals**

1. To intensify industrial training to faculty and staff
2. To motivate the faculty for qualification up-gradation
3. To buildup strong interaction with industry for collaborative efforts, projects and newest technology based training.
4. To increase number of placement in different industries.
5. To increase number of Patents and Journal publications for students and faculty.

## • Research Activities:

### • Research projects

c. University / College sponsored ongoing projects undertaken by faculty

Sr. No	Title	Grant sanctioned
1	To Design and Implement Energy Efficient Secured Framework for Wireless Sensor Network	1,80,000/-
2	An Integrated Health Monitoring System for Heart Patients using Wireless Computing Technology	1,40,000/-
3	Secure Sharing of Personal Health Records in Outsourced Environment	80,000/-
4	Adaptive execution of Scientific Workflow Applications to Improve Performance on Cloud Computing	1,40,000/-
5	Flexible Content Based Video Surveillance Retrieval Framework for Crime Prevention Based Moving Object Detection	52,000/-

## • R&D, Consultancy and Grants:

Sr. No.	Department	No. R&D, Consultancy Projects	Amount Sanctioned in Rs.	Amount Received in Rs.
1.	Information Technology	5	5,92,000	1,20,000

## • List of Publications – Journals :

Sr. No.	Department	Number of Publications
1.	Information Technology	10

## • Research publications in Journals notified on U.G.C. Website

Sr. No	Title of paper	Name of Publication

1	Source node position confidentiality aspects in wireless networks: an extended review.	International Journal of High Performance Systems Architecture
2	Search space-based multi-objective optimization evolutionary algorithm	International Journal of Computers & Electrical Engineering,
3	A quantum-inspired hybrid intelligent position monitoring system in wireless networks	IJCTE
4	Isolated Marathi Word Recognition Systems using DTW Approach	International Journal on Artificial Intelligent and Knowledge Discovery
5	ESVP-Cloud: Efficient social-aware video prefetching for adaptive multimedia streaming and video sharing in the clouds	Proceedings of the 2015 International Conference on Applied and Theoretical Computing and Communication Technology, iCATccT 2015
6	Content based video retrieval using integrated feature extraction and personalization of results	Proceedings - IEEE International Conference on Information Processing, ICIP 2015

• **Research Publications – Conferences :**

Sr. No.	Department	Number of Conferences
1.	Information Technology	13

• **FDP/STTP/Workshop/Conferences Organized :**

Sr. No.	Department	No. of FDP/STTP/Workshop/Conferences Organized
1.	Information Technology	3



**Train The Trainers Program for Second Year and Third Year (08<sup>th</sup> to 10<sup>th</sup> June, 2016)**



**Avishkar 2016 Orientation Lectures (28<sup>th</sup> September, 2016)**



**National Conference on Recent Trends and Advances in Computing, Communication and Security (NCRTACCS 2017) (16<sup>th</sup> – 17<sup>th</sup> February, 2017)**



**NVIDIA CUDA Project Setup for Parallel Processing**



• **FDP/STTP/Workshop/Conferences Attended by Faculty :**

Sr. No.	Department	No. of STTP/Workshop/Conferences Attended
1.	Information Technology	68

• **Workshops / Seminars / Conferences:**

a .No. of Workshops / Seminars / Conferences etc - Organized

Sr. No	Title	Period From - To	No. of Participants
1	Seminar on Orientation lecture AVISHKAR 2016	28/09/2016	150
2	Workshop on Android Basic and Application Development	17 & 18/03/2017	40
3	Successful future in Universities worldwide	9/8/2016	100
4	Android Application Development	7/22/2016	40
5	Study Abroad preparation	7/29/2016	59
6	Projects based on Android, Webs	1/15/2017	12
7	Seed IT Idol Competition	12/27/2016	60
8	Orientation Seminar on "Internship at Alborg University, Denmark"	3/27/2017	60
9	Study Abroad preparation	7/18/2016	40

b. No. of Faculty participation in Seminars / Conferences / Symposia etc.

Sr. No		International Level	National level	State Level	Local
1	Attended only	-	34	35	-
2	Presented Papers	11	11	-	-
3	Resource Person	-	-	-	16

c. FDP/STP/Train the Trainer (TTT)/ NPTL Courses/ Industrial Training etc – Attended by faculty

Sr. No	Name of Faculty	Title of Programme	Sponsored by	Period
1	Agarkar Arti Amod	Yoga for healthy eyes	AMAI Charitable trust	8/28/2016

2	Agarkar Arti Amod	PSOOP and FDS	PVG COE, Pune	7/7/2016
3	Agarkar Arti Amod	Cyber security and forensic tools	BVDU COE, Pune	10/6/2016
4	Agarkar Arti Amod	Coding theory and cryptography	SGGS, Nanded	12/26/2016
5	Agarkar Arti Amod	Internet of things	COEP, Pune	2/15/2017
6	Bhute Avinash Narayanrao	Preparation of Research Proposal to funding agencies	BVCOE, Pune	12/29/2017
7	Bhute Avinash Narayanrao	Patent Drafting and filling	BVCOE, Pune	3/17/2017
8	Deshpande Nikhil Harish	National Teacher's Conference	MIT	9/23/2016
9	Deshpande Nikhil Harish	Overview on IT Infrastructure Services	Cognizant	5/30/2017
10	Gavai Nitin Ramesh	Network Simulator 3 [NS-3]	SIT, Lonavala	12/23/2016
11	Ghuge Kalyani Sainath	RESEARCH PAPER WRITING:TIPS AND TRICKS	SKN	2/6/2017
12	Godse Uma Ramrao	Short Term Training Program on Recent trends in Cyber Security	COEP, Pune	2/13/2017
13	Godse Uma Ramrao	Recent Trends in Cyber Security	COEP, Pune	2/13/2017
14	Godse Uma Ramrao	Network System Administration and Security	COEP,Pune	3/8/2017
15	Godse Uma Ramrao	Cyber Security	BVCOE, Pune	10/6/2016
16	Godse Uma Ramrao	Research paper writing: tips and tricks	SKNCOE, Pune	2/6/2017
17	Jadhav Hemlata Makrand	Orientation lectures on Avishkar 2016	SCOE IT PUNE	9/28/2016

18	Jadhav Hemlata Makrand	Cyber Security & Evolving Technology	Cummins college of engineering, Pune	2/2/2017
19	Jadhav Hemlata Makrand	Networking and Switching	BVCOE, Pune	2/7/2017
20	Jakhade Yashashree Amay	Securing the IoT EchoSystem	SITS,Narhe	3/23/2017
21	Jakhade Yashashree Amay	Research Paper writing	SKNCoE, Pune	2/6/2017
22	Jakhade Yashashree Amay	Network Simulator-3	SIT,Lonawala	12/23/2016
23	Jaybhaye Sangita Maheshwar	Computer Graphics and CG Laboratory	Marathawada Mitra Mandals College of Engineering Karvenagar Pune	8/12/2016
24	Jaybhaye Sangita Maheshwar	Six Sigma	COEP,Pune	2/24/2017
25	Jaybhaye Sangita Maheshwar	Avishkar 2016	SCOE,IT	9/28/2016
26	Jaybhaye Sangita Maheshwar	Research Methodology for the Ph D Aspirants in the different domains of Engineering	PCCOE,Pune	1/5/2017
27	Jaybhaye Sangita Maheshwar	Zonal level Research Project Competition ,Avishkar 2016	SPPU,Pune	12/2/2016
28	Jaybhaye Sangita Maheshwar	Problem Solving and Object Oriented Programming and Fundamentals of Data Structures	PVG,Pune	7/7/2016
29	Jaybhaye Sangita Maheshwar	Research paper writing :Tips and Tricks	SKN ,Vadgoan	2/6/2017
30	Jaybhaye Sangita Maheshwar	Research Scholar Conclave	COEP	3/24/2017
31	Kanawade Bhavana Rajesh	Two days FDP on "Fundamentals of Programming Language-I"	SKNCOE	7/13/2016
32	Kanawade Bhavana Rajesh	Advances in Machine Learning and Big Data	International Institute of	12/22/2016

			Information Technology	
33	Kanawade Bhavana Rajesh	AVISHKAR 2016	A A Agarkar/ Y A Jakhade	9/28/2016
34	Korabu Kirti Sanjay	Training Programme on Sexual Harassment of Women at Workplace(Prevention, Prohibition and Redressal) Act, 2013	Maharashtra State Commission for Women	2/2/2017
35	Korabu Kirti Sanjay	IoT Technology@Edge	IT, MITAoE, Alandi	2/3/2017
36	Korabu Kirti Sanjay	Orientation Lecture on "AVISHKAR 2016"	IT Dept., SCOE, Pune	9/28/2016
37	Korabu Kirti Sanjay	Train The Trainers - 2017	SCOE, Pune	6/5/2017
38	Korabu Kirti Sanjay	Data Mining : Research Avenues and Tools	Computer Dept. , SCOE	5/29/2017
39	Kulkarni Jyoti Sachin	Two Days FDP on PSOOP & FDS	PVG COE & BOS(IT)	7/8/2016
40	Kulkarni Jyoti Sachin	Advances in Machine Learning and Big Data	International Institute of Information Technology	12/22/2016
41	Medhane Darshan Vishwasrao	National Conference on Recent Trends and Advances in Computing, Communication and Security	Department of Computer Engineering and Information Technology, Sinhgad College of Engineering, Pune	2/16/2017
42	Medhane Darshan Vishwasrao	Big Data	Infosys Pvt. Ltd. Hinjewadi, Pune	8/4/2016
43	Medhane Darshan Vishwasrao	Cyber Security and Forensic Tools	Bharati Vidyapeeth University College of Engineering, Pune	10/6/2016

44	Medhane Darshan Vishwasrao	Train The Trainers-2016	Department of Information Technology, Sinhgad College of Engineering, Pune	6/8/2016
45	Medhane Darshan Vishwasrao	Avishkar 2016	Department of Information Technology, Sinhgad College of Engineering, Pune	9/28/2016
46	Medhane Darshan Vishwasrao	National Conference on Recent Trends and Advances in Computing, Communication and Security	Department of Computer Engineering and Information Technology, Sinhgad College of Engineering, Pune	2/16/2017
47	Nimbalkar Madhukar Vittalrao	Train The Trainers - Information Technology	Dept of IT, SCOE, Pune	6/8/2016
48	Puri Vishal Vaijinath	FPL II	Computer and IT dept, PCCOE, Pune	12/30/2016
49	Puri Vishal Vaijinath	Avishkar-2016	VIIT, Pune	12/2/2016
50	Puri Vishal Vaijinath	FPL I	SKNCOE, Pune	7/13/2017
51	Puri Vishal Vaijinath	Qualitative Research Methodology with Standard Mathematical Modeling and Its Real Time Applicability	RMDSSOE, Pune	1/20/2017
52	Puri Vishal Vaijinath	Practical Approach to Wireless Network	VIT, Pune	6/1/2017
53	Sadafale Kishor Bhimrao	Research Paper Writing :Tips and Tricks	SKNCOE, Computer Engineering	2/6/2017
54	Sadafale Kishor Bhimrao	National Conference on Recent trends and advances in computing ,communication and security	Dept Of IT and Comp SCOE ,Pune	2/16/2017
55	Sadafale Kishor Bhimrao	Orientation Lecture on AVISHKAR 2017	Dept Of IT SCOE,Pune	9/28/2016

56	Sadafale Kishor Bhimrao	CG and CGL	MMCOE,Pune	12/8/2016
57	Sonar Reshma Sujal	Train the Trainer for "Computer Networks"	STES	6/8/2016
58	Sonar Reshma Sujal	Securing the IoT EcoSystem	SITS,Narhe	3/23/2017
59	Sonar Reshma Sujal	Research paper Writing :Tips and Tracks	SKNCOE,Pune	2/6/2017
60	Sonar Reshma Sujal	Nirbhaya Kanya Abhiyan	Aegis of Board of Student Welfare	2/27/2017
61	Thakre Kalpana Sunil	Qualitative Research Methodology with standard mathematical modelling and its real applicability	Dept Of CSE, RMD Sinhgad College of Emgineering	1/20/2017
62	Thakre Kalpana Sunil	SPPU Syllabus revision Meeting.	PICT, Pune	12/23/2016
63	Thakre Kalpana Sunil	Orientation Lecture Avishakar-2016	SCOE,Pune	9/28/2016
64	Vasgi Bharati Pavan	Reaearch paper writing:Tips and tricks	SKNCOE	2/6/2017
65	Vasgi Bharati Pavan	Research methodology for Ph.D aspirants in different domains of Engg	PCCOE	2/5/2017
66	Vasgi Bharati Pavan	Parallel computing with CUDA	PICT,Pune	2/11/2017
67	Vasgi Bharati Pavan	Avishkar project competition	VIIT,PUNE	12/2/2016
68	Vasgi Bharati Pavan	National Conference on Recent Trends and Advances in Computing,Communication and Security	SCOE	2/16/2017

**d. FDP/STP/TTT etc -Organized**


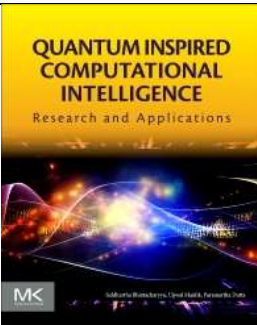
Sr. No	Name of the faculty	Title of the Programme	Period
1	Mrs.B.P.Vasgi	Advance training in Hadoop,.Net,Android,Adv Java	20/1/2017

2	Mrs.K.S.Korabu	Ruby on Rails and Open Source	19/9/2016
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**e. Books Published:**

Sr. No.	Name of the Faculty	Title of the Book	Publisher
1	Mr. A. N. Bhute	Multimedia Information Retrieval: Content based approach	Research India Publication, ISBN978-93-84443-75-7
2	Ms. S. P. Potdar	Most Important Programs for Data Structures using C++	Amazon(Kindle eBook)

**Significant Achievement of Faculty**

	<p>Mr. Medhane Darshan V., Assistant Professor from department of Information Technology has authored a book chapter titled “A quantum-inspired hybrid intelligent position monitoring system in wireless networks” in a book titled “Quantum Inspired Computational Intelligence: Research and Applications” published by Morgan Kaufmann Series of Books in October 2016.</p> <p>(Details- ISBN: 978-0-12-804409-4, Page No. 417-452, DOI: <a href="http://dx.doi.org/10.1016/B978-0-12-804409-4.00013-9">http://dx.doi.org/10.1016/B978-0-12-804409-4.00013-9</a>)</p>	
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**• University Results:**

- Give the Percentage of university results without backlog / ATKT for the last four years

$$\% \text{ Result} = \frac{\text{No.of students passed without backlog/ATKT}}{\text{No.of students appeared for exam}}$$

Year	(2016-17)	(2015-16)	(2014-15)	(2013-14)
Second Year	61.59	56.97	79.29	64.44
Third Year	62.22	62.75	71.43	52.85
Final Year	98.59	95.83	99.27	92.24



Sr. No.	Department	Semester – II Results (%)		
		SE	TE	BE
1.	Information Technology	61.59	62.22	98.59

### • Value Added courses and Expert Sessions

Sr. No.	Department	Title	Conducted by	Duration From - To	No. of Students Enrolled
1	Information Technology	Overview of Java	Mrs.Nisha Mandhare	31 /8/2016	B.E-68
2		Overview of Android SDK & History	Mr.Ganesh Tikone	1/ 09/2016 & 2/9/2016	B.E-70

### • Expert Sessions

Sr.No	Name of Resource Person	Topic	Date	Class and Total number of Students
1	Mr.Yogesh Ranga	Successful futures in universities worldwide	08-Sep-17	TE -110
2	Mr. Gautam Rege	Ruby on Rails and Open Source	19-Sep-16	TE -104
3	Mr.Yogesh Ranga	Successful future in Universities worldwide	08-Sep-16	TE-100
4	Mr.Pradip Narayankar	Android Application Development	22-Jul-16	TE -40
5	Mr.Abhishek Bavdhankar	Study Abroad preparation	29-Jul-16	TE -59
6	Mayur lunawat	Projects based on Android, Webs	15-Jan-17	TE -80
7	Seed Trainer	Seed IT Idol Competition	27-Dec-16	SE -60
8	Opulant Technology Trainer	Advance training in Hadoop,.Net,Android,Adv Java	20-Jan-17	TE -108
9	Prashant Dhotre	Orientation Seminar on “Internship at Alborg University,Denmark”	27-Mar-17	TE -60

10	Mr. Abhishek Bavdhankar	Study Abroad preparation	18-Jul-16	TE -40
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### • Memorandum of Understanding (MoUs):

Sr. No.	Department	No of MoUs
1.	Information Technology	01

Sr No.	Date of the MoU	Name of the Industry / Organization	Purpose	Outcome
1	19 <sup>th</sup> Feb 2015 Renewal	Infosys	To enriching the technical education process and to jointly work for enhancing the quality of education imparted to students, faculty and management of selected colleges of the University related to the field of Information Technology	To gain first-hand exposure of working in the real world. It also allows students to harness the skill, knowledge, and theoretical practice they learnt in university.

### • Industrial Visits:

Sr. No.	Department	No. Industrial Visits
1.	Information Technology	3

Sr. No	Date of Visit	Name of the Industry / Organization	Objective	Outcome
1	24/8/2016	Matoshree Old Age Home, Karve nagar, Pune	The purpose of this visit was to make the students realize their social responsibilities towards Senior Citizens. Such visits also activate the student's thought process to realize the agony and pain which the people go through in their old age while living away from their dear ones. To provide institutional service to the elderly <i>people</i>	Students got an idea about their social responsibilities towards senior citizens. Though we spent only a few hours with them, they made us realize the value of our grandparents and the tenderness with which we need to take care of them. The students realized that love for their family, particularly their grandparents has grown stronger and deeper. Opportunity words and

				loved ones — once gone, they never come back!
2	19/2/2017 to 26/2/2017	Brihaspati InfoTech, Chandigarh	Gives demonstration of latest tools and techniques used in industry .	Students will be given opportunity to take part in different Projects.
3	24/2/2017	Persistent Systems Pvt.Ltd,Pune	Practical training of students .Joint guidance of student projects and other areas of national interest on mutually agreeable terms.Shall make provisions to share their respective important R&D facilities in order to promote academic and research interaction in the areas of cooperation	Placement and internship assistance. Creating awareness for teaching faculty and students to involve in R&D activities

### • Student Projects:

Sr. No.	Department	No of projects by students	
		UG	PG
1.	Information Technology	38	8
Total		46	

### • Field/ Industrial Projects for students during current year

Sr. No	Name of Projects	No. of students enrolled for projects	Prominent Industries Sponsoring the projects
1	E -Commerece App. Provider	4	Flow Comp Tech . Solutions
2	An automated object tracking system using Arduino interface and bluetooth communication'	4	Altizon Systems
3	Auto summarization of documents	4	PSPL
4	Image enhancement using CUDA parallel computing	4	IIT Vishwa Academy

Sr. No	Name of student	Class	Name of Company	Duration	Period
1	Deepali Dawande	M.E.	Awaya	08/03/2017 TO 30/06/2017	114 Days
2	Vrushab Thosar	B.E.	Syntel	1/12/16 TO 31/01/17	2 MONTHS
3	Sneha Metkar	B.E.	SYNTEL	1/12/16 TO 31/01/17	2 Months
4	Mayur Chavan	B.E.	Big Impact	01/01/2017 To 1/8/2017	7 Months
5	Prabjyot Ahluwalia	B.E.	Hotkhana.com (web portal)	08/08/16 To 12/09/16	45 Days
6	Aditya Nalbalwar	B.E.	Trade Academy	05/01/2017 To 27/02/17	50 Days
7	Vipul Jain	B.E.	IIT Vishwa Academy	19/12/2016 To 19/01/17	30 Days
8	Nikhil Jain	B.E.	Persitent	15/11/2016 To 5/12/2016	20 Days
9	Ayush Jain	B.E.	Alborg University	2/12/2016 to 22/12/2016	28 days
10	Shravani Navghare	B.E.	Alborg University	2/12/2016 to 22/12/2016	28 Days
11	Eshan Chinchorkar	B.E.	Alborg University	2/12/2016 to 22/12/2016	28Days
12	Rutul Bramhankar	B.E.	Alborg University	2/12/2016 to 22/12/2016	28 Days
13	Eshan Chinchorkar	B.E.	AMDOCS	06/06/2016 To 5/08/2016	60 Days
14	Tarishi Suhalka	T.E.	Dell	11/07/2016 To 31/10/2016	3 months 20 days (112 days)

• **Students Internship summary:**

Sr. No.	Department	No of Internship by students	
		UG	PG
1.	Information Technology	13	1

## • Placement, Higher Studies , Self Employment

Sr. No.	Year	2016-17	2015-16	2014-15
i	Total No. of students placed including off campus	79	67	55
ii	No. of students going for higher studies	5	3	9
iii	No. of students self employed	3	0	0
iv	Total ( I + ii + iii)	87	70	64
v	Total students in final year	140	140	135
vi	% placement = $\frac{i + ii + iii}{v}$	62.14	50	47.40

Sr. No	Name of Company	No of students placed
1	Softlink	2
2	Xoriant	2
3	nVidia	1
4	Amura	1
5	Oracle	1
6	Accenture	15
7	Infosys	11
8	Cognizant	2
9	Capgemini	2
10	Zensar	2
11	L & T	1
12	Tech M	4
13	Inautix	3
14	Sigma Soft	1
15	Mindtree	2
16	NTT	1
17	Epic Research	2
18	Deskera	2
19	Vodafone	1
20	Osource	1
21	Sagitec	2
22	Newgen	2
23	RKIT	3
24	Aloha	1

25	Exusia	2
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## • Students Achievements

Sr. No.	Name Of The Student	Activity	Organizer	Prize/Rank
1	Sonalee Mahire	Sinhgad Karandak Sports	University	Runner-up
2	Sonalee Mahire	Elocutution	State	Participation
3	Pratibha Manchare	Zest 2017	University	Runner-up
4	Pratibha Manchare	Sinhgad Karandak Sports	University	Participation
5	Tarishi Suhalka	Dell Aarambh	National	Participation
6	Tarishi Suhalka	NCRTACCS (Paper Presentation)	National	Participation
7	Vedanti Borate	Convene (Project Competetion)	National	Participation
8	Tayyab Tamboli	Impetus (Project Competetion)	National	Participation
9	Vedanti Borate	Tag Team Coding, Sinhgad Techtonic	University	Winner
10	Akash Aherwar	NCRTACCS (Paper Presentation)	National	Participation
11	Rohan Arsidha	Convene (Project Competetion)	National	Participation
12	Rohan Arsidha	Impetus (Project Competetion)	National	Participation
13	Prashant Birajdar	Convene (Project Competetion)	National	Participation
14	Prashant Birajdar	Impetus (Project Competetion)	National	Participation
15	Nikhil Jain	Avishkar 2016	University	Participation
16	Sourabh Bansod	Impetus (Project Competetion)	National	Participation
17	Sourabh Bansod	Convene (Project Competetion)	National	Participation
18	Aditya Karwa	Impetus (Project Competetion)	National	Participation
19	Aditya Karwa	Technodumbs	University	Participation
20	Sayali Awati	Technodumbs	University	Participation
21	Natasha Dhoke	Impetus (Project Competetion)	National	Participation

22	Akshay Sonawane	Convene (Project Competetion)	National	Participation
23	Yogita Lonagre	Cricket Competetion, Sinhgad Karandak	University	Winner
24	Priyanka Yesane	Kabbadi, Sinhgad Karandak	University	Runner-up
25	Rakhi Oza	Tag Team Coding, Sinhgad Techtonic	University	Winner
26	Rakhi Oza	NCRTACCS (Paper Presentation)	National	Participation
27	Piyush Laddha	NCRTACCS (Paper Presentation)	National	Participation
28	Piyush Laddha	LaiSSEz Faire 2017, Poker Competetion	National	Winner
29	Piyush Laddha	Techno Paoker, Sinhgad Karandak	University	Runner-up
30	Vipul Jain	Adda 52, All India Ranking Tournament	National	37
31	Vipul Jain	Spartan, Pune Live	City	Third
32	Prabhjot Ahluwalia	Adda 52, All India Ranking Tournament	National	37
33	Mitali Mahajan	Impetus and Concepts	National	Participation
34	Shruti Sivanandam	Avishkar 2016	University	Participation
35	Pratik Rathi	All India Open Fide Rating Chess Tournament	National	Participation
36	Pratik Rathi	World Chess Federation	International	Participation
37	Prajakta Patil	Intuition 2017	University	First
38	Ankita Panse	Hackathon Smart India	National	Participation
39	Ankita Panse	Hackathon Smart India	National	Participation
40	Gauri Tate	GUI Competetion, Sinhgad Karandak	University	Participation
41	Gauri Tate	Hackathon Smart India	National	Participation
42	Shivani Potdukhe	Seminar on Cyber Crme & Ethical Hacking, SCOE	University	Participation
43	Shivani Potdukhe	Hackathon Smart India	National	Participation
44	Akansha Patil	Seminar on Cyber Crime & Ethical Hacking, SCOE	University	Participation
45	Akansha Patil	Hackathon Smart India	National	Participation



46	Grishma Nehete	GUI Competetion, Sinhgad Karandak	University	Participation
47	Grishma Nehete	Seminar on Cyber Crime & Ethical Hacking, SCOE	National	Participation
48	Surabhi Pande	Seminar on Cyber Crime & Ethical Hacking, SCOE	University	Participation
49	Surabhi Pande	GUI Competetion, Sinhgad Karandak	University	Participation
50	Sheetal Pawar	Seminar on Cyber Crime & Ethical Hacking, SCOE	University	Participation
51	Sheetal Pawar	Hackathon Smart India	National	Participation
52	Puja Dhavalshankh	GUI Competetion, Sinhgad Karandak	University	Participation
53	Prachi Muthal	Hackathon Smart India	National	Participation
54	Prachi Muthal	Paper Presentation SVCP	State	Participation
55	Mansi Vadsariya	Hackathon Smart India	National	Participation
56	Mansi Vadsariya	Paper Presentation SVCP	State	Participation
57	Mansi Vadsariya	IOT National Level Workshop & Competetion	National	Winner
58	Mansi Vadsariya	Paper Presentation Papayrus	University	Winner
59	Gauri Pathak	GUI Competetion, Sinhgad Karandak	University	Participation
60	Gitanjali Mishra	Hackathon Smart India	National	Participation
61	Gitanjali Mishra	GUI Competetion, Sinhgad Karandak	University	Participation
62	Pragati Shinde	GUI Competetion, Sinhgad Karandak	University	Participation
63	Pragati Shinde	Code Junkie, CoEP, Pune	University	Participation
64	Pragati Shinde	Blind Coding, Sinhgad Karandak	University	Participation
65	Swati Rangari	Seminar on Cyber Crime & Ethical Hacking, SCOE	University	Participation
66	Swati Rangari	Blind Coding, Sinhgad Karandak	University	Participation
67	Seema Mahajan	Hackathon Smart India	National	Participation
68	Seema Mahajan	Hackathon Smart India- Inspiration Award	National	Participation

69	Seema Mahajan	GUI Competetion, Sinhgad Karandak	University	Participation
70	Ankita Dande	Technohunt	University	Participation
71	Ankita Dande	SPEAC, Conference, VIIT	University	Participation
72	Ankita Dande	Code Junkie, CoEP, Pune	University	Participation
73	Ankita Dande	GUI Competetion, Sinhgad Karandak	University	Participation
74	Kanchan Dighe	Code Junkie, CoEP, Pune	University	Participation
75	Kanchan Dighe	Code Junkie++, CoEP	University	Participation
76	Kanchan Dighe	GUI Competetion, Sinhgad Karandak	University	Participation
77	Rajeshwari Chauhan	Code Junkie, CoEP, Pune	University	Participation
78	Rajeshwari Chauhan	GUI Competetion, Sinhgad Karandak	University	Participation
79	Shubham Pote	Enthusia, Cricket Competetion, VJTI, Mumbai	University	Winner
80	Shubham Pote	Cricket, Sinhgad Sports Karandak	University	Winner
81	Ashwini Borod	GUI Competetion, Sinhgad Karandak	University	Participation
82	Ashwini Borod	Blind Coding, Sinhgad Karandak	University	Participation
83	Aakanksha Biyani	ZEST'17-Basketball	University	Participation
84	Aishwarya Kore	Sinhgad Karandak Sports-Basketball	University	Winner
85	Aishwarya Kore	Infinity'17 Basketball	University	Second
86	Aishwarya Kore	Sinhgad Karandak 2k17-Tag Team coding	University	Participation
87	Aishwarya Kore	Sinhgad Karandak2k17-Decoration	University	Participation
88	Aishwarya Kore	Sinhgad Karandak2k16-Decoration	University	Participation
89	Aishwarya Kore	Sinhgad Karandak 2k17-Code Bit	University	Participation
90	Aishwarya Kore	Project Exhibition-NAAC	University	Appreciation Letter
91	Aishwarya Kore	Quiz Competition	University	Participation
92	Aishwarya Kore	Sinhgad Karandak 2k16- Tag Team 93Coding	University	Participation
93	Aishwarya Kore	Certificate for Completion of C96	University	Participation

94	Auti Mahesh Bhimaji	Sinhgad Karandak 2k17-Clash of Coders	University	Participation
95	Auti Mahesh Bhimaji	Communique'16	University	Participation
96	Auti Mahesh Bhimaji	Vedic Oasis for Inspiration- Positive Thinker	University	Participation
97	Auti Tushar Tukaram	Sinhgad Karandak 2k17-Blind Coding	University	Participation
98	Balsaraf Aniket Shivaji	Sinhgad Karandak 2k17-Propulsion	University	Participation
99	Balsaraf Aniket Shivaji	Sinhgad Karandak 2k17-Tag Team coding	University	Participation
100	Balsaraf Aniket Shivaji	Sinhgad Karandak 2k17-Blind Coding	University	Participation
101	Bamhore Pranav Arun	Sinhgad Karandak 2k17-NFS	University	Participation
102	Bamhore Pranav Arun	Sinhgad Karandak 2k17-Technodumbs	University	Participation
103	Bamhore Pranav Arun	Sinhgad Karandak 2k17-CSI	University	Participation
104	Chavhan Chandan Namdeo	Sinhgad Karandak 2k17-Tag Team coding	University	Participation
105	Chavhan Chandan Namdeo	Sinhgad Karandak 2k17-Blind Coding	University	Participation
106	Chidrawar Mayuri Kamalakar	Certificate for Completion of C	University	C test
107	Chidrawar Mayuri Kamalakar	Communique'16	University	Participation
108	Chidrawar Mayuri Kamalakar	Sinhgad Karandak- Twin-o-tech	University	Participation
109	Chidrawar Mayuri Kamalakar	Sinhgad Karandak 2k17-Code MonoPoly	University	Participation
110	Chirag Rajpal	Sinhgad Karandak 2k17-Campaigning	University	Participation
111	Chirag Rajpal	Sinhgad Karandak 2k17-Sponsorship	University	Participation

112	Deval Ashok Sonkusare	Sinhgad Karandak 2k17-Cyber Crime & Forensics	University	Workshop
113	Deval Ashok Sonkusare	Sinhgad Karandak 2k17-GUI design	University	Participation
114	Deval Ashok Sonkusare	Sinhgad Karandak 2k17-Blind Coding	University	Participation
115	Gangurde Sachin Pandit	Sinhgad Karandak 2k17-Blind Coding	University	Participation
116	Gangurde Sachin Pandit	Sinhgad Karandak 2k17-Tag Team coding	University	Participation
117	Gawade Shweta Ramchandra	Certificate for Completion of C	University	Participation
118	Gawade Shweta Ramchandra	Sinhgad Karandak 2k16 - BLIND CODING	University	Participation
119	Gawade Shweta Ramchandra	Sinhgad Karandak2k17-Ethical Hacking Workshop	University	Participation
120	Gawade Shweta Ramchandra	Sinhgad Karandak 2k17-Blind Coding	University	Participation
121	Gawade Shweta Ramchandra	Sinhgad Karandak 2k17-CSI	University	Participation
122	Gawade Shweta Ramchandra	Sinhgad Karandak2k17-Decoration	University	Participation
123	Gawade Shweta Ramchandra	Women In Enterprenaurship	University	Participation
124	Gaykhe Sonali Laxman	Communique'16	University	Participation
125	Gaykhe Sonali Laxman	Nirbhaya Kanya Abhiyan	University	Participation
126	Gaykhe Sonali Laxman	Sinhgad Karandak 2k17-Technodumbs	University	Winner
127	Gaykhe Sonali Laxman	Sinhgad Karandak 2k17-NFS	University	Participation

128	Ghorpade Pratik Vinod	Sinhgad Karandak 2k17-Technodumb	University	Winner
129	Ghorpade Pratik Vinod	Sinhgad Karandak 2k17- Campaigning	University	Participation
130	Ghorpade Pratik Vinod	Sinhgad Karandak 2k17- Sponsorship	University	Participation
131	Ghorpade Pratik Vinod	Sinhgad Karandak 2k17-Tag Team coding	University	Participation
132	Ghorpade Pratik Vinod	Sinhgad Karandak 2k17-Blind Coding	University	Participation
133	Gite Neha Bhagwatrao	Communique'16	University	Participation
134	Gite Neha Bhagwatrao	Sinhgad Karandak 2k17-Technodumbs	University	Participation
135	Gite Neha Bhagwatrao	Sinhgad Karandak 2k17-NFS	University	Participation
136	Gosavi Sachin Anil	Sinhgad Karandak2k17-Decoration	University	Participation
137	Gosavi Sachin Anil	Sinhgad Karandak 2k17-Technodumbs	University	Winner
138	Gupta Ankul Sushil	Sinhgad Karandak 2k17-Blind Coding	University	Participation
139	Gupta Ankul Sushil	Workshop Sinhgad Karandak 2k17-Ethical Hacking	University	Participation
140	Gupta Ankul Sushil	Sinhgad Karandak 2k17-Selfie Mania	University	Participation
141	Hole Soham Giridhar	Sinhgad Karandak 2k17-Blind Coding	University	Participation
142	Ingale Abhijeet Bhagwan	Sinhgad Karandak 2k17-Tag Team coding	University	Participation
143	Ingale Abhijeet Bhagwan	Sinhgad Karandak 2k17-GUI design	University	Participation
144	Ingle Ajinkya Murlidhar	Sinhgad Karandak 2k17-Blind Coding	University	Participation
145	Ingle Ajinkya Murlidhar	Sinhgad Karandak 2k17-Tag Team coding	University	Participation

146	Isalkar Shubham Narayan	Sinhgad Karandak 2k17-Blind Coding	University	Participation
147	Jain Simran Mahendrakumar	Sinhgad Karandak 2k17-Technodumbs	University	Participation
148	Jain Simran Mahendrakumar	Sinhgad Karandak2k17-Decoration	University	Participation
149	Joshi Niraj Sanjay	Sinhgad Karandak 2k17- Crupto-Jumble	University	Participation
150	Joshi Niraj Sanjay	Sinhgad Karandak 2k17-GUI design	University	Participation
151	Joshi Niraj Sanjay	Sinhgad Karandak 2k17-Blind Coding	University	Participation
152	Kale Kapileshwar Chandan	Sinhgad Karandak 2k17-Tag Team coding	University	Participation
153	Kale Kapileshwar Chandan	Sinhgad Karandak 2k17-Blind Coding	University	Participation
154	Kale Santosh Chandrakant	Sinhgad Karandak 2k16-Tag team coding	University	Participation
155	Kale Santosh Chandrakant	Sinhgad Karandak2k17-Decoration	University	Participation
156	Kale Vaishnavi Shashikant	Communique'16	University	Participation
157	Kale Vaishnavi Shashikant	Nirbhaya Kanya Abhiyan	University	Participation
158	Kale Vaishnavi Shashikant	Sinhgad Karandak 2k17-Tag Team coding	University	Participation
159	Kale Vaishnavi Shashikant	Sinhgad Karandak 2k17-Technodumbs	University	Participation
160	Kamble Pratibha Vithoba	Communique'16	University	Participation
161	Kamble Pratibha Vithoba	Nirbhaya Kanya Abhiyan	University	Participation
162	Kamble Pratibha Vithoba	Sinhgad Karandak 2k17-Blind Coding	University	Participation

163	Kanunje Manish Sanjay	Sinhgad Karandak 2k17-Tag Team coding	University	Participation
164	Kumbharkar Sachin Limbaji	Sinhgad Karandak 2k17-Technodumbs	University	Participation
165	Kumbharkar Sachin Limbaji	Sinhgad Karandak 2k17-Tag Team coding	University	Participation
166	Kumbharkar Sachin Limbaji	Sinhgad Karandak 2k17-Blind Coding	University	Participation
167	Madne Nandini Pilaji	Women In Enterpreneurship	University	Participation
168	Madne Nandini Pilaji	Sinhgad Karandak 2k17-Tag Team coding	University	Participation
169	Madne Nandini Pilaji	Sinhgad Karandak2k17-Decoration	University	Participation
170	Madne Nandini Pilaji	Sinhgad Karandak2k17-QuizDom	University	Participation
171	Marathe Prajakta Ashok	Nirbhaya Kanya Abhiyan	University	Participation
172	Marathe Prajakta Ashok	Sinhgad Karandak 2k17-Technodumbs	University	Participation
173	Marathe Prajakta Ashok	Sinhgad Karandak2k17-Decoration	University	Participation
174	Marathe Prajakta Ashok	Sinhgad Karandak 2k17-Tag Team coding	University	Participation
175	Marathe Prajakta Ashok	Sinhgad Karandak 2k17-NFS	University	Participation
176	Mehta Tanvi Pankajkumar	Sinhgad Karandak 2k17-Tag Team coding	University	Runner-up
177	Mehta Tanvi Pankajkumar	Sinhgad Karandak 2k17-Blind Coding	University	Participation
178	Mehta Tanvi Pankajkumar	Sinhgad Karandak 2k17-CSI	University	Participation
179	Modi Nikita Nitin	Sinhgad Karandak 2k16 - DECORATION	University	Volunteering
180	Modi Nikita Nitin	Departmental Activity- NAAC	University	Appreciation Letter



181	Anjali Soundale	Technohunt, Sinhgad Karandak	University	Participation
182	Anjali Soundale	Quiz Competition, Sinhgad Karandak	University	Participation
183	Anjali Soundale	Code Junkie, CoEP, Pune	University	Participation
184	Shinde Nikita	GUI Competetion, Sinhgad Karandak	University	Participation
185	Shinde Nikita	Workshop Sinhgad Karandak 2k17-Ethical Hacking	University	Participation
186	Priyanka Gharge	GUI Competetion, Sinhgad Karandak	University	Participation
187	Nakul Shinde	Prayas Social Camp	University	Participation
188	Nakul Shinde	Tag Team Coding, Sinhgad Karandak	University	Participation
189	Saiprasad Bhandare	Tag Team Coding, Sinhgad Karandak	University	Participation
190	Saiprasad Bhandare	GUI Competetion, Sinhgad Karandak	University	Participation
191	Vikas Jadhavar	GUI Competetion, Sinhgad Karandak	University	Final Round
192	Rohit Kapse	GUI Competetion, Sinhgad Karandak	University	Participation
193	Rohit Kapse	Innovation 2k17	University	Participation
194	Gitanjali Mishra	Pulzion 16, PICT, Bug Off	University	Participation
195	Gitanjali Mishra	Nirbhaya Kanya Abhiyan, Workshop	University	Participation
196	Puja Dhavalshankh	Nirbhaya Kanya Abhiyan, Workshop	University	Participation
197	Puja Dhavalshankh	GUI Competetion, Sinhgad Karandak	University	Participation
198	Mansi Vadsariya	Nirbhaya Kanya Abhiyan, Workshop	University	Participation
199	Mansi Vadsariya	Paper Presentation, JSPM	University	Participation
200	Vijendra Kalaskar	FIFA Game, Sinhgad Karandak, SKN	University	Participation
201	Vedang Kulkarni	Hackathon Smart India	National	Participation
202	Shreeshiv Umre	GUI Competetion, Sinhgad Karandak	University	Participation
203	Swarup Sontakke	Seed Idol	University	Participation
204	Swarup Sontakke	Paper Presentation, Sinhgad Karandak	University	Participation
205	Swarup Sontakke	Techno Poker, Sinhgad Karandak	University	Participation

206	Swarup Sontakke	Blind Coding, Sinhgad Karandak	University	Participation
207	Swarup Sontakke	GUI Competetion, Sinhgad Karandak	University	Participation
208	Swarup Sontakke	Chess Competetion, Sinhgad Karandak	University	Participation
209	Krishna Rokade	Enthusia, Cricket Competetion, VJTI, Mumbai	National	Winner
210	Krishna Rokade	Cricket, Sinhgad Sports Karandak	University	Participation
211	Charusheela Shinde	Blind Coding, Sinhgad Karandak	University	Participation
212	Charusheela Shinde	Nirbhaya Kanya Abhiyaan	University	Participation
213	Mawale Snehal	Nirbhaya Kanya Abhiyaan	University	Participation
214	Snehal Sonawane	Crypto Jumble, Sinhgad Karandak	University	Participation
215	Snehal Sonawane	Code Junkie, CoEP, Pune	University	Participation
216	Snehal Sonawane	Code Junkie ++, CoEP, Pune	University	Participation
217	Rushekesh Solanke	C Programmer Contest	University	Third
218	Rushekesh Solanke	Crypto Jumble, Sinhgad Karandak	University	Participation
219	Janardhan Gavas	Blind Coding, Sinhgad Karandak	University	Participation
220	Himanshu Agarwal	NSS SCOE	University	Participation
221	Sanskruti Harsule	Code Junkie ++, CoEP, Pune	University	Participation
222	Sanskruti Harsule	Code Junkie, CoEP, Pune	University	Participation
223	Sanskruti Harsule	Clash Junior, PICT	University	Participation
224	Sanskruti Harsule	Code IT, SCOE	University	Runner Up
225	Rameshwari Gaikwad	Code IT, SCOE	University	Runner Up
226	Mukul Gupta	Clash Junior, PICT	University	Participation
227	Vardhaman Jain	Clash Junior, PICT	University	Participation
228	Vardhaman Jain	Quonnoiser, CoEP, Pune	University	Participation
229	Vardhaman Jain	Code Junkie, CoEP, Pune	University	Participation
230	Pavan Mundada	Seed IT Idol	University	Participation

231	Rakeeb Sheikh	Dance Competetion, Sinhgad Karandak	University	Runner Up
232	Rakeeb Sheikh	Trascend SIBM, Dance Competetion	University	First
233	Rakeeb Sheikh	Panache, Cummuins, Pune	University	Runner Up
234	Rounak Dhadiwal	Bug Report, Intel	National	Participation
235	Harshit Srivastava	Technodumbs	University	Participation
236	Harshit Srivastava	Blind Coding, Sinhgad Karandak	University	Participation
237	Atul Anand	IEEE Coding Master	University	Appreciation
238	Atul Anand	Technodumbs	University	Participation
239	Atul Anand	Blind Coding, Sinhgad Karandak	University	Participation
240	Atul Anand	Tag Team Coding, Sinhgad Karandak	University	Participation
241	Shivam Wankhade	Mindspark, CoEP, Pune	University	Participation
242	Shivam Wankhade	Clash Junior, PICT	University	Participation
243	Pranay Chavhan	Reverse Coding	University	Participation
244	Pranay Chavhan	Clash Junior, PICT	University	Participation
245	Leena Chavan	Seminar on Cyber Crime & Ethical Hacking, SCOE	University	Participation
246	Rishabh Ritik	Seminar on Entrepreneurship, SCoE	University	Participation
247	Gaurav Khochare	Duet Singing, Sinhgad Karandak	University	Runner Up
248	Amol Jadhav	Sinhgad Idol	University	Runner Up
249	Swapnil Indapurkar	Quizdom - Sinhgad Karndak	University	Participation
250	Swapnil Indapurkar	Gui design - Sinhgad Karndak	University	Participation
251	Swapnil Indapurkar	Chess - MIT	University	Runner up
252	Swapnil Indapurkar	Relay - PICT	University	Winner
253	Swapnil Indapurkar	Rapid - PICT	University	Third
254	Pratik Moykhede	Quizdom - Sinhgad Karndak	University	Participation
255	Aniket Malsana	FIFA - Sinhgad Karndak	University	Participation

256	Aniket Malsana	Coding Master	University	Participation
257	Aniket Malsana	Technohunt	University	Participation
258	Aniket Malsana	SEED	University	Participation
259	Shruti Majali	Technopoker - Sinhgad Karndak	University	Volunteer
260	Priyal Pareek	Technopoker - Sinhgad Karndak	University	Volunteer
261	Kishan Vaishnani	CSI - Sinhgad Karndak	University	Volunteer
262	Kishan Vaishnani	Tag Team Coding - Sinhgad Karndak	University	Participation
263	Nikita Keer	SEED	University	Participation
264	Nikhil Ranade	Chess - MIT	University	Runner up
265	Nikhil Ranade	Tag Team Coding - Sinhgad Karndak	University	Participation
266	Nikhil Ranade	Relay - PICT	University	1st position
267	Chitali Kale	SEED	University	Participation
268	Dhyey Patel	Technopoker - Sinhgad Karndak	University	Volunteer
269	Pranav Baliphadi	CSI - Sinhgad Karndak	University	Participation
270	Shubham Revanwar	Tag Team Coding - Sinhgad Karndak	University	Participation
271	Shubham Revanwar	Blind coding - Sinhgad karandak	University	Participation
272	Vikas Patel	Technopoker - Sinhgad Karndak	University	Participation
273	Mayur Patkar	Blind coding - Sinhgad karandak	University	Participation
274	Mayur Patkar	Tag Team Coding - Sinhgad Karndak	University	Participation
275	Shivam Wankhade	Code Junkie - COEP	University	Participation
276	Shivam Wankhade	Clash junior - PICT	University	Participation
277	Rushikesh Solanke	Code IT - SCOE	University	Participation
278	Shivam Wankhade	Code IT - SCOE	University	Participation
279	Vipul Raj	Technodumbs - Sinhgad Karndak	University	Participation
280	Vipul Raj	Tag Team Coding - Sinhgad Karndak	University	Participation
281	Sanskriti Harshule	Code Junkie ++ - COEP	University	Participation

282	Sanskruiti Harshule	Code Junkie - COEP	University	Participation
283	Sanskruiti Harshule	Clash junior - PICT	University	Participation
284	Sanskruiti Harshule	Quiz - PICT	University	Participation
285	Sanskruiti Harshule	Code IT - SCOE Sinhgad Karndak	University	Participation
286	Ayushi Somani	SEED	University	Participation
287	Ayushi Somani	Rajesh Jain	University	Participation
288	Ayushi Somani	Snaphunt - Sinhgad Karndak	University	Participation
289	Kaveri Pasalkar	Football - Sinhgad Karndak	University	Winner
290	Ankur Sakhala	Hidden leaf - Sinhgad Karndak	University	2nd position
291	Ankur Sakhala	Bug off(junior) - PICT	University	1st position
292	Ankur Sakhala	Secure Intel	University	Participation
293	Rushikesh Solanke	Crypto Jumble - Sinhgad Karndak	University	Participation
294	Rushikesh Solanke	Rajesh Jain	University	3rd position
295	Rameshwari Gaikwad	Code IT - Sinhgad Karndak	University	Participation
296	Swapnil Baad	Football – MIT	University	Participation
297	Nikhil Baad	Football - AISSMS	University	Winner
298	Snehal Sonawane	Crypto Jumble - Sinhgad Karndak	University	Participation
299	Snehal Sonawane	Code Junkie++ - COEP	University	Participation
300	Snehal Sonawane	Code Junkie - COEP	University	Participation
301	Snehal Sonawane	Clash junior - PICT	University	Participation
302	Rishabh Ritik	Ecell – SCOE	University	Participation
303	Tanisha Tickoo	SEED	University	Participation
304	Himanshu Agrawal	Selfie Mania	University	Participation
305	Naman jain	Ultimate coder- VJTI	University	Participation
306	Naman jain	VRC-VJTI	University	Participation

307	Naman jain	Smart city- VJTI	University	Participation
308	Naman jain	Java guru-VJTI	University	Participation
309	Naman jain	Monster arena- VJTI	University	Participation
310	Himanshu Agrawal	National Service Scheme	University	Participation

### Significant Students' Achievements:

Students have participated and won prizes in various events such as Firodiya and Purshotam Karandak, sports, Blind Coding, solo dance and World Web Competition etc., some of which are mentioned below:

- Santosh Kale: Secured 8th rank in Maharashtra for Transform Maharashtra organized by Government of India.
- Niraj Joshi: Attended the Academic Summit organized by Microsoft Research and ACM, India at IISc, Bangalore, India.
- Pratik Rathi: 202 Merit in All India Open Fide Rating Chess Tournament
- Nikhil Ranade : Won First prize in chess competition
- Swapnil Indapurkar: First prize in chess competition
- Two Teams from Information Technology was selected for Final round at Smart India Hackathon 2017 on April 1 & 2, 2017 at CVR College of Engineering, Hyderabad
- Three students from Final Year (Ishan Chincholkar, Rutul Brahmanekar, Shravani Navghare) visited Aalborg University, through collaboration of STES with Aalborg University, Denmark.
- Two students from department (Shubham Pote (TE) & Krishna Rokade (TE)) were the part of SCOE Cricket Team and the team won Veermata Jijabai Technical Institute's (VJTI) ENTHUSIA 2K16 National Level Sports Festival Cricket Tournament.







## • Parents -Teachers Meeting

Department of Information Technology, Sinhgad College of Engineering had organized a Parent-Teacher meeting on 16th June, 2017 in IT Seminar Hall at 10:00 AM. The main purpose of meet was to discuss daily routine academic activities, way of execution of teaching-learning process in the department, student centric activities, etc. and to converse variety of issues regarding all round development of students with the parents.

The meeting was organized under guidance of Principal Dr. S. D. Lokhande and presidentship of Head of IT department Prof. G. R. Pathak. Around 53 parents of SE, TE and BE students and teachers attended the meet



**Interaction with Parents – Prof. G. R. Pathak**



**Parents and Teaching Staff Members**



# **Annual Academic Audit Report**

## **Department of Mechanical Engineering**

### **2016-17**

## • VISION:

Continue to innovate and practice the process to propel development in engineering education, keeping excellence in focus and render services to match the needs of technical education system, industry and society.

## • MISSION:

Holistic development of students and teachers is what we believe in and work for. We strive to achieve this by imbining an unique value system, transparent work culture, excellent academic and physical environment conducive to learning, creativity and technology transfer. Our mandate is to generate, preserve and share knowledge for developing a vibrant Society.

## • QUALITY POLICY:

Quality Policy aims to establish centre of excellence for technical education and research in Engineering & Technology by way of;

- Inducting faculty having sound knowledge in the field of Science and Engineering and to make special efforts to retain them.
- Proven good results and admitting quality students.
- Developing human capital by supporting talent, ideas and energies of outstanding individuals.
- Promoting partnerships with the quality institutes like IITs', IISc, etc. , research organizations like ARAI, NCL, C-DAC, etc. & prominent corporate houses.

Developing excellent teaching learning process by establishing cohesive bond between students & faculty and healthy atmosphere with decent discipline.

## • GOALS:

### • Long Term Goals

9. To establish Research Centre as Centre of Excellence in Engineering Research and Development.
10. To seek Academic Autonomy leading to University status.
11. To develop an Engineering Knowledge Centre of Society in general.
12. To develop the institute in focused areas like Information Technology, Biotechnology, Energy, Materials etc.

### • Short Term Goals

7. To add new Post Graduate and Ph.D. programs
8. To motivate and deputefaculty for Doctoral Programs
9. To improve the interaction with institutes of national and international repute and industries from various fields of engineering

## • Research Activities:

### • Research projects

#### d. University / College sponsored ongoing projects undertaken by faculty

Sr. No	Title	Grant sanctioned
1	Comparative performance analysis for solar air heating System using artificial reference and porous media	2,00,000
2	Study of thermo-hydraulic performance of elliptical shape tube in cross flow heat exchanger.	2,30,000
3	Retrofitting and designing of an air conditioning system with HFO-R1234YF as a low GWP Refrigerant.	2,50,000

#### e. Student ongoing Research Projects

Sr. No	Title	Sponsoring agency
1.	Effect of the Bionic blade on performance improvement of Paddy Field Impeller.	Alfa industry Kolhapur and Kirloskar Mega Tiller, Pune.
2.	Laser Surface Cladding to reduce wear mitigation of hot rolling rolls with bionic approach.	Bhagyalaxmi rolling mill ,Jalana
3.	Crack Propagation arrest for GCI brakes via. Laser Surface Texturing and Cladding.	ARAI, Pune

## • Research publications in Journals notified on U.G.C. Website:

Sr. No	Title of paper	Name of Publication	Impact factor of Journal
1.	Characterization of Stainless Steel and Galvanized Iron 0.5 mm Thick Laser Weld Joints	International Journal of Advanced Manufacturing Technology (IJAMT)	2.5
2.	Regression Analysis and Optimization of Diesel Engine Performance for Change in Fuel Injection Pressure and Compression Ratio Applied	Thermal Engineering	2.8

3.	Study of Effect of CR on the Performance and Emission of Diesel Engine Using Butanol-diesel Blends	International Journal of Current Engineering and Technology (IJCET)	7.1
4.	Experimental Investigation of Damping Performance of Viscoelastic Materials	International Journal of Current Engineering and Technology (IJCET)	7.1
5.	Development and Evaluation of a heat-treated HCV chassis cross-member	International Journal of Current Engineering and Technology (IJCET)	7.1
6.	FEA and Topology Optimization of an Engine Mounting Bracket	International Journal of Current Engineering and Technology (IJCET)	7.1
7.	Experimental and Numerical Investigation of Optimum Path and Speed Search for a Bike	International Engineering Research Journal (IERJ)	4.064
8.	“Transverse Link FEA Analysis under Static and DYnamic Loading Conditions”	International Journal of Current Engineering and Technology (IJCET)	7.1
9.	Stress Analysis and Shape Optimization of Integrated Steering Knuckle	International Journal of Current Engineering and Technology (IJCET)	7.1
10.	Design of Steel Equipment Aluminium Joints for Bus BoDY Super Structure	International Journal of Current Engineering and Technology (IJCET)	7.1
11.	Effect of round Cross Member on Torsional Stiffness for AMW 3116HL Frame	International Journal of Current Engineering and Technology (IJCET)	7.1
12.	Retrofitting of On-Board Diagnostic System on SI Engine Test-rig	International Journal of Current Engineering and Technology (IJCET)	7.1
13.	Design of Self-Adjusting Strainer Assembly for Off-road Conditions used in Diesel Engine	International Engineering Research Journal (IERJ)	4.064
14.	Comparative Study of Geometry of Receiver Solar Parabolic Trough Concentrator	International Journal of Recent Trends in Engineering and Research	3.334
15.	Heat Transfer Augmentation by Multijet Air Impingement on Dimpled Heat Sink	International Journal of Thermal Technologies	1.752

16.	Experimental Investigation of Heat Transfer Enhancement With Different Square Jagged Twisted Tapes and CuO/Water Nano Fluid	International Journal of Innovative Studies In Sciences And Engineering Technology (IJSET)	
17.	Optimum Utilization of Hybrid Energy Systems for SCOE Building	International Journal of Current Engineering And Technology (IJCET)	7.1
18.	Oil Debris Analysis for Condition Monitoring of An IC Engine	International Engineering Research Journal (IERJ)	4.064
19.	Heat Transfer Performance of a Vertical Thermosyphons Heat Pipe Heat Exchanger Using Hybrid Nanofluid For Automobile Engine Exhaust Heat	International Journal Of Current Engineering And Technology (IJCET)	7.1
20.	Critical Analysis of Performance of Compression Ignition Engine for Biodiesel with Exhaust Gas Recirculation	International Journal of Current Engineering and Technology (IJCET)	7.1
21.	An Experimental Investigation of Heat Transfer Characteristics of Pulsating Flow in Pipe	International Journal of Current Engineering and Technology (IJCET)	7.1
22.	Structural and Performance Characteristics of A Vibrational Energy Harvester	International Journal of Engineering Research and Management and Applied Science (IJERMA)	3.843
23.	Experimental Investigation of Ethanol-Methanol-Gasoline Blend on Multi Cylinder SI Engine Using Catalytic Converter	International Engineering Research Journal (IERJ)	4.064
24.	Investigation of Effect of Rim Thickness on Strength of Annular Gear of Planetary Gearbox Under DYNAMIC Conditions	International Journal of Engineering Research And Science & Technology (IJERST)	3.3
25.	Nox Emission Control for Coil Fired Boiler	International Journal of Modern Trends in Engineering And Research (IJMTER)	4.364
26.	Performance Study of Triple Concentric Pipe Heat Exchanger	International Engineering Research Journal (IERJ)	4.064

27.	Experimental Studies Of A Double Pipe Helical Coil Heat Exchanger With Different Configuration For Inner Coil	International Engineering Research Journal (IERJ)	4.064
28.	Convective Heat Transfer Performance of Helical Coil with Variation in Pitch	International Engineering Research Journal (IERJ)	4.064
29.	Design-Fabrication and Testing of Helical Tube in Tube Heat Exchanger	International Engineering Research Journal (IERJ)	4.064
30.	Development of a Numerical Model for the Thermal Simulation of the Furnace of a Packaged Hybrid Boiler	International Engineering Research Journal (IERJ)	4.064
31.	Experimental investigation of Latent Heat Storage System using Phase Change Material	International Engineering Research Journal (IERJ)	4.064
32.	Computational Estimation of Airship AeroDYNAMIC Characteristics	International Engineering Research Journal (IERJ)	4.064
33.	Experimental Study of Heat Transfer Enhancement Using Al <sub>2</sub> O <sub>3</sub> /Ethylene Glycol Water Mixture for Automotive Radiator	International Engineering Research Journal (IERJ)	4.064
34.	Experimental Investigation of Heat Exchanger Using Phase Change Material	International Engineering Research Journal (IERJ)	4.064
35.	Performance Evaluation of C.I. Engine with Change in Different Engine Variables and Using Methyl Ester of Argemone Mexicana	International Engineering Research Journal (IERJ)	4.064
36.	Experimental Investigation and Modification of Ranque Hilsch Vortex Tube	International Engineering Research Journal (IERJ)	4.064
37.	Design and Performance of Hydraulic Autofrettage Using Universal Testing Machine	International Journal of Research in Mechanical Engineering & Technology (IJRMET)	1.38
38.	Review of Suspension System and Experimental Study of 2 DOF Quarter-car Semi-active suspension system for Ride Comfort	International Engineering Research Journal (IERJ)	4.064
39.	Performance Evaluation of C.I. Engine with Change in Different Engine Variables and Using Methyl Ester of Argemone Mexicana	International Engineering Research Journal (IERJ)	4.064

40.	Experimental Investigation and Modification of Ranque Hilsch Vortex Tube	International Engineering Research Journal (IERJ)	4.064
41.	Experimental Investigation of Elliptical Tube Bank Cross Flow Heat Exchanger with Inline Arrangement & 45° Angle of Attack	International Engineering Research Journal (IERJ)	4.064
42.	Stress Analysis and Optimization of Car Door Hinge	International Engineering Research Journal (IERJ)	4.064
43.	Induction Hardening on Drive Axle Shaft and it's FEA	International Engineering Research Journal (IERJ)	4.064
44.	Finite Element Analysis Based Material Selection and Weight Reduction of Connecting Rod	International Engineering Research Journal (IERJ)	4.064
45.	Design and Validation of Vehicle BoDY Fixture and Process Design for a Welded Assembly	International Engineering Research Journal (IERJ)	4.064
46.	Switched Reluctance Motor Application to Conveyor Belt System.	International Journal in advances in mechanical sciences and technology	1.356
47.	Design and Development of a Regenerative Shock Absorber	International Journal of Inovations in Engineering Rresearch and Technology	4.1

• **Workshops / Seminars / Conferences:**

f. No. of Workshops / Seminars / Conferences etc - Organized

Sr. No	Title	Name of Dept.	Period From – To	No. of Participants
1	Dr. A.B. Kanase-Patil	Future Trends and Challenges in Mechanical	3 days	86

g. No. of Faculty participation in Seminars / Conferences / Symposia etc.

Sr. No	Title	International Level
1	Attended only	3
2	Presented Papers	1
3	Resource Person	0

h. FDP/STP/Train the Trainer (TTT)/ NPTL Courses/ Industrial Training etc – Attended by faculty



Sr. No	Name of Faculty	Title of Programme	Sponsored by	Period
1	Mr. B.P Kumbhare.	Advances in Mechanical Engineering	Zeal College of Engineering and Resaerch, Pune.	4 <sup>th</sup> -7 <sup>th</sup> Jan.2017
2	Mrs. D.M.Gaikwad	Futyre trends and challenges in Mechanical Engineering	Department of Mechanical Engineering and Production engineering	17 <sup>th</sup> -19 <sup>th</sup> Feb. 2017
3	Mrs. R.R.Wankhede	Futyre trends and challenges in Mechanical Engineering	Department of Mechanical Engineering and Production engineering	17 <sup>th</sup> -19 <sup>th</sup> Feb. 2017
4	Mrs. P.N.Chaudhari	Futyre trends and challenges in Mechanical Engineering	Department of Mechanical Engineering and Production engineering	17 <sup>th</sup> -19 <sup>th</sup> Feb. 2017
5	Mrs. P.N.Chaudhari	Fundamental of Computational Fluid Dynamics	Department of Mechanical Engineering Smt. Kashibai Navale College of Engineering, Pune	20 <sup>th</sup> – 24 <sup>th</sup> Feb. 2017
6	Mrs. R.R.Wankhede	First Thermodynamics Symposium	Forbes Marshall, Chakan , Pune	26 <sup>th</sup> Aug.2016
7	Mrs. P.N.Chaudhari	First Thermodynamics Symposium	Forbes Marshall, Chakan , Pune	26 <sup>th</sup> Aug.2016
8	Mrs. P.N.Chaudhari	Intellectual Proerty Rights & Parents	Department of Mechanical Engineering Smt. Kashibai Navale College of Engineering, Pune	27 <sup>th</sup> Dec. 2016
9	Mrs. R.R.Wankhede	Intellectual Proerty Rights & Parents	Department of Mechanical Engineering Smt. Kashibai Navale College of Engineering, Pune	27 <sup>th</sup> Dec. 2016
10.	Mr. A.B. Hatapakki	Changing Technology and Rural Devolpment	RM CET, Ambav	16 <sup>th</sup> -17 <sup>th</sup> Dec. 2016

i. FDP/STP/TTT etc -Organized

Sr. No	Name of the faculty	Title of the Programme	Period
1.	Prof.S.H. Deshmukh	Advances in cutting tool and additive manufacturing	5 days

• **Industrial Visits:**

Sr. No.	Department		No.Industrial Visits		
1.	Mechanical Engineering		7		
Sr. No	Date of Visit	Name of the Industry / Organization	Location	Objective	Outcome
1.	08 /09/ 2016	Fluid Controls Pvt.Ltd	T-169,Bhosari, MIDC,Pune	Skill development, Hydraulics and Pneumatics	Exposure to control valve for flow control in pipe
2.	07/09/ 2016	C-Tech Engineers Pvt. Ltd.,	S. No. 25, Hissa No. 6, Narhe, Pune - 411041	Metrology and Quality control	Exposure to calibrating instruments and quality control techniques
3.	27/08/2016	Accurate Sales & Services Pvt Ltd,	Hadapsar, Pune-MH	Metrology and Quality control	Exposure to calibrating instrument and CMM
4.	01/10/2016	Kudale Calibration Labs,	Parvati Darshan,Sinhgad Road,Pune	Metrology and Quality control	Exposure to calibrating instrument
5.	25/09/2016	HAL	Nashik	Manufacturing Process	Exposure to Manufacturing Process of aircraft
6.	08/10/ 2016	Katraj-Dairy,	Katraj, Pune-43	Thermodynamics	Exposure to boiler and its uses in dairy product
7.	12/09/2016	Penguin Cold Storage,	Khedshivapur, Pune	Refrigeration and Air conditioning	Exposure to VCRwith multi evaporater system

### • Student Projects:

Sr. No.	Department	No of projects by students	
		UG	PG
1.	Mechanical Engineering	85	46

### • Field/ Industrial Projects for students during current year

Sr. No	Name of Projects	No. of students enrolled for projects	Prominent Industries Sponsoring the projects
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1.	Energy Conservation and Optimization of Fuel Fired Heat Treatment Furnace.	4	Kalyani Steels
2.	Design and modification in 5 axis cnc machine.	4	Cybernetic Instrument
3.	Design of condenser coil, evaporator coil and desiccant filter for a hybrid air conditioning system.	4	Shri Heat Exchanger
4.	Design of Pneumatic System for Automation of Assembly of AC Louvers in Automobile.	4	Tata AutoComp System Ltd.
5.	Design and Manufacturing of Fixture for Measuring Lug Geometry Tolerance Measurement	4	Micro India Engg.
6.	Design and Optimization of Trolley for Material Handling.	4	Atlas Copco Pvt. Ltd.
7.	Design and Manufacturing of Manually Operated Coconut Peeling Machine.	4	Climber Engg.
8.	Design and Manufacturing of Manually Operated Modified seed drill cultivator & sprayer	5	Climber Engg.
9.	Design and Development of Conveyor system for casting operations.	4	Ashwini Industries
10.	Simulation of Water Tube Boiler for a Biomass Fuel having Ash Fouling Characteristics.	4	Thermax Ltd.
11.	Design, Analysis and Optimization of Mounting And Dismounting Tool For Bearings.	4	Atlas Copco Ltd.
12.	Design and Analysis of Aircraft Mounted Field mill for Meteorological Applications	4	Indian Institute of Tropical Meteorology
13.	Design & Manufacturing of Semi Autonomous non Contact Type Dimension Measuring System for Corrugated Carton Box	4	Corru Cartons India Pvt. Ltd.
14.	Design and Manufacture of Jig for Drilling Inclined Hole	4	Nitin Enterprises
15.	Process Improvement of Magneto Coil Production by using DMAIC Approach	4	R.D. Associates
16.	Design and Performance Evaluation of Genset Radiator	4	Cummins India
17.	An analytical review of implementation of Lean Six Sigma Methodology in Manufacturing Industry	5	Creative Tools & Component
18.	Design for Additive Manufacturing of a Heat Exchanger	4	Creative Tools & Component
19.	Design Modification and Analysis of Single Plate Clutch	4	Jaya Hind Industries Ltd.
20.	Design & Manufacturing of Pneumatic Based Six Axis Material Handling Equipment	4	Tech Buzz Soln.
21.	Implementation of TPM in Small Scale Industry	4	Sandeep Enterprises
22.	Design and Development of Fixture for Main Shaft and Propeller Shaft.	4	Jai Bhavani Mata Industries
23.	Design and Fabrication of Variable Displacement Pump using Kinematic Linkage	4	MYTHOS TECHNOLOGY
24.	Development and Establishment of Robo-Line for cycle time process capability and safety.	4	Cummins India Ltd.

25.	Design of Gear Box for dosing pump	4	BKWT OPCLO Engg. Soln.
26.	Productivity and cost improvement for axle assembly	4	York Transport Equipment
27.	Design and Manufacturing of Shredder Machine for Waste Management.	4	Shree Engineers
28.	Design, Assessment and Optimization of Automotive Muffler.	4	Inhouse
29.	Design and Development of Gauge for Moving Contact	4	N.S. Precision Works Pvt. Ltd.
30.	Design and Analysis of vertical carousel storage system	4	SuMech Storage System
31.	Decreasing the rejection rate by improving the process of GDC and LPDC.	4	Alicon Group
32.	Comparative Study of Power Performance Between Gasoline Direct Injection (GDI) Engine and CNG DI Engine.	4	ARAI India
33.	Modification of gearbox testing machine.	4	Shree System
34.	Design of Mechanism to turn the wheels of Trolley by 90°	4	Atlas Copco Ltd.
35.	Design, Simulation and Optimization of Direct Contact Condensing Heat Exchanger for Flue Gas Heat Recovery	4	Thermax Ltd.
36.	Testing and Defect Analysis of Bogie Wheel	3	512 Army Base Workshop
	<b>ME Design</b>		
37.	Design and Analysis of Distillation Columns for Chloromethane (CLM) Plant.	1	Chemdist Process Solutions Pune
38.	Design and Development Of Exhaust Gas Boiler	1	Enpro Ltd
39.	Optimization Of Four Cylinder Crank Shaft To Improve Dynamic Balancing	1	Bharat Forge Ltd Pune
40.	Design and Development Of Test Rig Methodology For HCV Chassis Cross Member	1	Metalsa India Pvt. Ltd.
41.	Design Of Welding Lathe For TIG Welding ROBOT.	1	Forbes Marshall Pvt. Ltd.
42.	Design Of Physical Scale Down Flow Model & Weight Optimization For Electrostatic Precipitator	1	Aprameya Associates, Pune
43.	Experimental And Numerical Analysis of Creep Behavior Of Expanded Polystyrene (EPS)	1	Whirlpool Of India Limited
44.	Simulation and Analysis Of Piston Ring Dynamics For Engine Blow By & Lube Oil Consumption	1	ARAI, Pune
45.	Design, Development And Optimization Of Refrigerator Door Hinge	1	Whirlpool Of India Ltd, Pune
46.	Optimization Of Mast Hoisting System Through CFD Analysis	1	DRDO, Dighi Pune
47.	Casing & Gear Box Design For Hand Cranked Cardiac Defibrillator	1	Jeevtronics Pvt. Ltd.
48.	Analysis Of Engine Mounts	1	Tata Technologies Ltd, Pune
	<b>ME Mechatronics</b>		

49.	Design and developmwn of pneumatic test bench for valve testing of braking system.	1	MagnaKraft Automation system
	<b>ME Automotive</b>		
50.	Heat treatment process development for HCV, Chassis, cross member	1	Metalsa India Pvt. Ltd
	<b>ME Heat power</b>		
51.	Numerical simulation and experimental analysis of combo washer dryer.	1	Whirlpool india pvt. Ltd.

• **Students Internship details:**

Sr. No.	Department	No of Internship by students	
		UG	PG
1.	Mechanical Engineering	36	16
Total		52	

Sr. No	Name of student	Class	Course	Name of Company	Duration	Period
1	Kapote Vaishnavi, Kashyap Rishal, Kale Suraj, Kadu Mohit	BE	Mechanical	Kalyani Steels	1/7/2016-30/7/2016	1 month
2	Neha Saste, Apurva Sangamnere, Vidya Darandale, Arti Shinde	BE	Mechanical	Cybernetic Instrument	28/6/2016-30/7/2016	1 month
3	Himanshu Davale, Akshay Chaudhari, Uddhav Chavan, Sagar Gangurde	BE	Mechanical	Shri Heat Exchanger	5/7/2016-6/8/2016	1 month
4	Prajakta N. Babhulkar, Santosh S. Badgujar, Harshada S. Chavan, Shubham A. Kabre	BE	Mechanical	Tata AutoComp System Ltd.	3/7/2016-3/7/2016	1 month
5	Supnil Balpande, Ajinkya Bhabad, Sanket Agarwal, Ashitosh Badane	BE	Mechanical	Micro India Engg.	1/7/2016-1/8/2016	1 month
6	Rohini Wagh Anjali Rajmane Pooja Savaratkar Kushal Rathod	BE	Mechanical	Atlas Copco Pvt. Ltd.	1/7/2016-30/7/2016	1 month
7	Kate Abhishekh Dinesh Khot Digvijay Dilip Kharate Pawan Dattatray Kharosekar Shubham Kishor	BE	Mechanical	Climber Engg.	28/6/2016-30/7/2016	1 month

8	Jiwane Rohit Mohan Lodha Prastik Sunil Gandhi Yash Jitendra Rewankar Suraj Prabhakar Londhe Manoj Ramesh	BE	Mechanical	Climber Engg.	5/7/2016- 6/8/2016	1 month
9	Ashish R. Ghadge Swapnil A. Hole Ajit Lande Laxmikant Tandale	BE	Mechanical	Ashwini Industries	3/7/2016- 3/7/2016	1 month
10	Prateek B. Pagore Abhishek R. Gaikwad Bhakti S. Khopade Arati D. Bhor	BE	Mechanical	Thermax Ltd.	1/7/2016- 1/8/2016	1 month
11	Abhijeet Ainapure Akash Bhati Shubham Deshpande Gandhali Doshi	BE	Mechanical	Atlas Copco Ltd.	1/7/2016- 30/7/2016	1 month
12	Rohan Nimbalkar Rishikayash Pardeshi Aswad Pandit Rupam Patil	BE	Mechanical	Indian Institute of Tropical Meteorology	28/6/2016- 30/7/2016	1 month
13	Abhijeet Mishra Himanshu Bharambe Akhilesh Gadage Harshal Chavan	BE	Mechanical	Corru Cartons India Pvt. Ltd.	5/7/2016- 6/8/2016	1 month
14	Kalpesh Tatar Shubham Misal Amol Vyavhare Shravan Gaikwad	BE	Mechanical	Nitin Enterprises	3/7/2016- 3/7/2016	1 month
15	Minaj Shaikh Rubina Shaikh Amar Giradkar Fradin Khan Pathan	BE	Mechanical	R.D. Associates	1/7/2016- 1/8/2016	1 month
16	Pooja Manjarekar Danial Mendosa Hatik Mulla Yash Parulkar	BE	Mechanical	Cummins India	1/7/2016- 30/7/2016	1 month
17	Gaurav Sonawane Snehal Shinde Yashwant Shetti Akshay Shelar Diggaj Shinde	BE	Mechanical	Creative Tools & Component	28/6/2016- 30/7/2016	1 month
18	Rounak Timbale Snehal Surve Akshay Sononi Shubham Rathi	BE	Mechanical	Creative Tools & Component	5/7/2016- 6/8/2016	1 month

19	Jay Meheta Nihal Mulla Shubham Narale Mayuresh Mane	BE	Mechanical	Jaya Hind Industries Ltd.	3/7/2016- 3/7/2016	1 month
20	Poornanand R. Shinde Vishal R. Karale Sujay J. Khade Gaurav V. Suryawanshi	BE	Mechanical	Tech Buzz Soln.	1/7/2016- 1/8/2016	1 month
21	Ashwini S. Londhe Azhar M. Sayyed Rohit U. Sonje Sandeep A. Somase	BE	Mechanical	Sandeep Enterprises	1/7/2016- 30/7/2016	1 month
22	Adesh S. Adhav Tejas S. Gore Pooja A. Rahane Gitesh A. Yeole	BE	Mechanical	Jai Bhavani Mata Industries	28/6/2016- 30/7/2016	1 month
23	Suraj Chakurkar Shivaji Landage Abhishek Rathore Vrushabh Gandhi	BE	Mechanical	MYTHOS TECHNOLOGY	5/7/2016- 6/8/2016	1 month
24	Pratik Jadhav Shubham Jagtap Suprasad Karpe Gaurav Ghule	BE	Mechanical	Cummins India Ltd.	3/7/2016- 3/7/2016	1 month
25	Pritesh R. Kadu Krishna S. Mundada Pratik S. Palorkar Nishant V. Rapole	BE	Mechanical	BKWT OPCLO Engg. Soln.	1/7/2016- 1/8/2016	1 month
26	Sumedh Shinde Aniket Vyavhare Punit Bakshi Rishav Sadhotra	BE	Mechanical	York Transport Equipment	1/7/2016- 30/7/2016	1 month
27	Nikhil G. Hire Abhishek K. Chaukhe Dheeraj R. Jadhav Mahendra B. Jadhav	BE	Mechanical	Shree Engineers	28/6/2016- 30/7/2016	1 month



28	Mukund S. Bamane Shubham D. Naikwad Aditya S. Salunkhe Akash U. Bhoite	BE	Mechanical	Inhouse	5/7/2016- 6/8/2016	1 month
29	Warthe Neha Sweety Kuwar Kamesh Jain Munal Rana	BE	Mechanical	N.S. Precision Works Pvt. Ltd.	3/7/2016- 3/7/2016	1 month
30	Adityas Kulkarni Niket Devkar Gurudatta Gawatre Laxman Rathod	BE	Mechanical	SuMech Storage System	1/7/2016- 1/8/2016	1 month
31	Pavan Gavali Suraj Gavade Pavankumar Gavade Shantanu Gaurkhede	BE	Mechanical	Alicon Group	1/7/2016- 30/7/2016	1 month
32	Suyog Deshmukh Dnyaneshwar Warkhade Sarang Chaudhari Saurabh Dhamne	BE	Mechanical	ARAI India	28/6/2016- 30/7/2016	1 month
33	Kore Sanket Ramakant Khodke Samadhan Arun Labhade Abhijeet Vithoba Mate Vishal Narendra	BE	Mechanical	Shree System	5/7/2016- 6/8/2016	1 month
34	Pratik Kulkarni Prasad Gondake Apurva Gore Asaad Hawa	BE	Mechanical	Atlas Copco Ltd.	3/7/2016- 3/7/2016	1 month
35	Jafar Khatib Jerome Allapat Samyak Jain Tejas Kataria	BE	Mechanical	Thermax Ltd.	1/7/2016- 1/8/2016	1 month
36	Prasad Dange Navnath Navale Shyamali Patil	BE	Mechanical	512 Army Base Workshop	5/7/2016- 6/8/2016	1 month
ME Design						
37	Bachhav Snehal Pandurang	ME	Mechanical	Chemdist Process Solutions Pune	28/6/2016- 30/7/2016	1 month
38	Barge Vikas Arvind	ME	Mechanical	Enpro Ltd	5/7/2016- 6/8/2016	1 month

39	Bhosale Shradha Ashok	ME	Mechanical	Bharat Forge Ltd Pune	3/7/2016-3/7/2016	1 month
40	Bondgulwar Ankush Prakash	ME	Mechanical	Metalsa India Pvt Ltd.	1/7/2016-1/8/2016	1 month
41	Damle Kashish Sudesh	ME	Mechanical	Forbes Marshall Pvt. Ltd.	1/7/2016-30/7/2016	1 month
42	Dombe Akshay Pandurang	ME	Mechanical	AprameyaAssociates,Pune	28/6/2016-30/7/2016	1 month
43	Mhaske Swami Dattatray	ME	Mechanical	Whirlpool Of India Limited	5/7/2016-6/8/2016	1 month
44	Parekar Prashant Chandrashekhar	ME	Mechanical	ARAI, Pune	3/7/2016-3/7/2016	1 month
45	Patil Swapnil Suresh	ME	Mechanical	Whirlpool Of India Ltd,Pune	1/7/2016-1/8/2016	1 month
46	Potdar Radhika Suhas	ME	Mechanical	DRDO ,Dighi Pune	1/7/2016-30/7/2016	1 month
47	Rane Sagar Dattatrya	ME	Mechanical	Jeevtronics Pvt. Ltd.	1/7/2016-30/7/2016	1 month
48	Todkar Ganesh Milind	ME	Mechanical	Tata Technologies Ltd ,Pune	28/6/2016-30/7/2016	1 month
ME Mechatronics						
49	Suraj Gharage	ME	Mechanical	MagnaKraft Automation system	5/7/2016-6/8/2016	1 month
ME Automotive						
50	Raviraj Hase	ME	Mechanical	Metalsa India Pvt. Ltd	1/7/2016-30/7/2016	1 month
ME Heat Power						
51	Vilas Raut	ME	Mechanical	Whirlpool india pvt. Ltd.	1/7/2016-1/8/2016	1 month
52	Supriya Kambale	ME	Mechanical	Apramiya associates.	3/7/2016-3/7/2016	1 month

## 7. Placement, Higher Studies, Self Employment

Sr. No.	Year	2014-15	2015-16	2016-17
i	Total No. of students placed including off campus	58	93	97
ii	No. of students going for higher studies	42	70	83
iii	No. of students self employed	01	02	02
iv	Total ( I + ii + iii)	101	165	182
v	Total students in final year	180	300	300
vi	% placement = $\frac{i + ii + iii}{v}$	56.11	55.00	60.66

Sr. No	Placement date	Name of Company	No of student place
1	2 July 2016	Atlas Copco	10
2	17 July 2016	Tech Mahindra	8
3	27 July 2016	TATA Tech	5
4	4 Aug 2016	Accenture	9
5	17 Aug 2016	Bosch	4
6	24 Aug 2017	Cognizent	7
7	27 Aug 2016	Duroshocks	2
8	5 Sept 2016	GE	1
9	10 Sept2016	Elastic Run	1
10	13 sept 2016	Haier	3
11	22 dec.2016	Infosys	4
12	3 Jan 2017	KSB Pumps	2
13	12 Jan 2017	Mahindra &mahindra	4
14	15 Jan 2017	Tech Mahindra	3
15	20 Jan 2017	Workz Media	3
16	7April 2017	Xicon	4

## • Students Achievements:

Sr. No.	Name Of The Student	Activity	Organizer	Prize/Rank
1.	Kulkarni Pratik Vinayak	BLOG IT	ENTC Dept. Sinhgad College of Engineering, Vadgaon (Bk.), Pune	Winner (1 <sup>st</sup> Prize)
2.	NagalboneBanduLaxman	Cad War	JspmNarhe Technical Campus, Narhe, Pune.	1 <sup>st</sup> Winner
3.	SavardekarSharvin Prashant	SAE MAHINDRA Baja	Team Kraftwagen	2 <sup>nd</sup> ALL OVER INDIA in 'virtuals'

4.	BaggaShubhamManjitsingh	TANTRODAYA 2K17	SPPU	Securing 1 <sup>st</sup> position
5.	KathepuriShubham	TANTRODAYA 2K18	SPPU	Securing 1 <sup>st</sup> position
6.	BaggaShubhamManjitsingh	MIT TechnoGenesis 2017 National Innovation Research and Technology Competition	MIT PUNE	2 <sup>nd</sup> Prize
7.	KathepuriShubham	2017 National Innovation Research and Technology Competition	MIT PUNE	2 <sup>nd</sup> Prize
8.	Shah Hem		MIT PUNE	2 <sup>nd</sup> Prize
9.	GujralGurnayan Kaur		MIT PUNE	2 <sup>nd</sup> Prize
10.	ChirateAditya	International conference	IRF	Excellent paper award
11.	DengalePrajakta	International conference	IRF	Excellent paper award
12.	ChoudhariAniket Sanjay	CATIA	Seven Motors Pvt. Ltd., STARTUP MOKSHA, RISHIKONDA, VISHAKHAPATNAM-530045	A grade in practical knowledge
13.	ChoudhariAniket Sanjay	CATIA	Seven Motors pvt. Ltd., STARTUP MOKSHA, RISHIKONDA, VISHAKHAPATNAM-530045	A grade in practical knowledge
14.	LahaneShivamVireshrao	Contraption	Sinhgad College of Engineering, Pune-41	Winner
15.	Chithore Karan	Student Formula Japan 2016, 6 <sup>th</sup> -10 <sup>th</sup> Sep.2016	Society of Automotive Engineers of Japan	5 <sup>th</sup> rank in business logic.
16.	DaradePranav	Student Formula Japan 2016, 6 <sup>th</sup> -10 <sup>th</sup> Sep.2016	Society of Automotive Engineers of Japan	5 <sup>th</sup> rank in business logic.
17.	DeotaleParag	Student Formula Japan 2016, 6 <sup>th</sup> -10 <sup>th</sup> Sep.2016	Society of Automotive Engineers of Japan	5 <sup>th</sup> rank in business logic.
18.	Group of Students	BAJA SAE, Peoria, Illinois USA 7 o 10 June 2017	SAE India	Acceleration 6 <sup>th</sup> position, Design 8 <sup>th</sup> position, Hill climbing 10 <sup>th</sup> position
19.	Group of Students	e-BAJA	SAE India	4 awards

## • ALUMNI

Alumni Meet-2016 which scheduled and conducted on 27<sup>st</sup> Feb 2016 in Sinhgad College of engineering, Vadgaon (Bk.), Pune-41. Alumni Meet - 2016 was held in Mechanical Engineering Department on 27<sup>st</sup> Feb 2016 in SCOE, Pune and following departmental schedule was planned in the department.

- Welcome to Alumni students
- Address by HOD
- Presentation about the Department by HOD
- Sharing of views by Alumni
- Interaction of faculty and Alumni
- Vote of thanks
- Filling of feedback forms
- Tea & snacks

Moving to Sinhgad Spring Dale Ground Total 25 numbers of Feedbacks were received from Alumni during Alumni meet. Departmental Alumni meet was over around 6:45 pm with Alumni's group photographs along with Faculty. Tea and snacks was made available for Alumni as well as faculty members at the last. Mr. V.C.Gunge, Faculty from mechanical Department did compering for whole program as well as he gave vote of thanks at the last.



**Alumni Group Photograph Along with HOD, Special Alumni as well as Faculties of Mechanical Engineering Department**

### 1. Memorable Contributions of Alumni:

Mr. Yogesh Desai and Mr. Ashwin Date have committed to help T.E. and B.E. students for their projects and sponsorship. Also they were very happy to talk with their teachers as well as batch mates.



# **Department of Production Engineering**

## **Annual Academic Audit Report**

### **2016-17**



## ● Vision:

To impart quality education to students through curriculum and educational experience and to enhance their skills so as to survive in global competitive market.

To make students to think and apply whatever taught to them and propagate the same to serve the nation society.

## ● Mission:

To Prepare students capable with sufficient Production Engineering background through effective teaching and appropriate academic planning so that they can get job in industries or to pursue higher studies.

## ● Quality Policy:

Quality Policy aims to establish center of excellence for technical education and research in Engineering & Technology by way of;

- Inducting faculty having sound knowledge in the field of Science and Engineering and to make special efforts to retain them.
- Proven good results and admitting quality students.
- Developing human capital by supporting talent, ideas and energies of outstanding individuals.
- Promoting partnerships with the quality institutes like IITs', IISc, etc. , research organizations like ARAI, NCL, C-DAC, etc. & prominent corporate houses.

Developing excellent teaching learning process by establishing cohesive bond between students & faculty and healthy atmosphere with decent discipline.

## ● Goals:

### ● Long Term Goals

1. To enhance industry-institute interaction and to become a solution provider for the industries.
2. To orient students towards research and development activities
3. To establish collaboration with premier institutes in the field of engineering and technology.

### ● Short Term Goals

1. To increase publications in reputed journals
2. To increase resource generation through Consultancy, Research Projects, Testing and STTP
3. To update program curriculum and laboratories with the appropriate industry recommendations
4. To motivate students for entrepreneurship, pursuing higher studies and competitive exams

## • Research Activities:

### • Research projects

#### a. Student ongoing Research Projects

Sr. No.	Title	Sponsoring agency
1	Study and analysis of grinding wheels for CNC Machine	Grind Wheel Norton Ltd, Pune

### • Research publications in Journals notified on U.G.C. Website

Sr. No.	Title of paper	Name of Publication	Impact factor of Journal
1	Design and Development of Low Cost Serial Communication Mobile Robot	Imperial Journal of Interdisciplinary Research (IJIR) Volume -3, Issue-1, ISSN:2454-1362, <a href="http://www.onlinejournal.in">http://www.onlinejournal.in</a>	3.7
2	Automated Guided Mobile Robot for Vision based Application	Imperial Journal of Interdisciplinary Research (IJIR) Volume -3, Issue-3, ISSN:2454-1362, <a href="http://www.onlinejournal.in">http://www.onlinejournal.in</a>	3.7
3	Selection of levels of dressing process parameters by using TOPSIS technique for En-31 work piece surface roughness in CNC cylindrical grinding machine,	IOP Conferees: Materials Science and Engineering 178 (2017) 012033 DOI:10.1088/1757-899X/178/1/012033, 2017 IOP Conf. Ser.: Mater. Sci. Eng. 178 012033 Citations of Paper- 2	3.17
4	Ranking of Vittrified Grinding Wheel Parameters by using Analytical Hierarchical Process (AHP) for surface roughness of work piece in Grinding Operation	IEEEEXPLOR, DOI:10.1109/AMIAMS:2017.8069209	3.557

## • FDP/STTP/Workshop/Conferences Organized :

### • Workshops / Seminars / Conferences:

#### a. No. of Workshops / Seminars / Conferences etc - Organized

Sr. No	Title	Name of Department	Period From – To	No. of Participants
1	Future Trends and Challenges in Mechanical Engg.	Production and Mechanical	17/02/2017 to 19/02/2017	90

**b. No. of Faculty participation in Seminars / Conferences / Symposia etc.**

Sr. No	Title	International Level	National level	State Level	Winter
1	Attended only	-	1	9	-
2	Presented Papers	3	-	-	-
3	Resource Person	1	-	-	-
4	FDP,STTP	-	-	-	2

**c. FDP/STP/Train the Trainer (TTT)/ NPTL Courses/ Industrial Training etc – Attended by faculty**

Sr. No	Name of Faculty	Title of Programme	Sponsored by	Period
1	Prof. R. S. Katikar	“Skilling Tomorrow’s Engineer’s with Advanced Product Development Capabilities”	SCOPE, Pune	23 /08/2016
2	Prof. S. S. Patil	IEE International Conference on “Advances in Mechanical ,Industrial, Automation and Management Systems” (AMIAMS2017)	SCOPE, Pune	03/02/2017-05/02/2017
3	Prof. S. S. Patil	Future Trends and Challenges in Mechanical Engineering	SCOPE, Pune	17/02/2017-19/02/2017
4.	Prof. Y. A. Kakade	“Future Trends and Challenges in Mechanical Engineering”	SCOPE, Pune	17/02/2017-19/02/2017
5	Prof. V. S. Kasture	Two days seminar on Achieving Make –in-India Through Manufacturing Advancement	SCOPE, Pune	20/01/2017-21 /01/2017
6	Prof. J. H. Shinde	One day workshop on “Intellectual Property Rights and Patents”	SCOPE, Pune	27/ 12/ 2016
7	Prof. D. R. Naole	Two days seminar on Achieving Make –in-India Through Manufacturing Advancement	SCOPE, Pune	20/01/2017-21/01/2017
8	Prof. A. M. Patki	National Welding Meet Cum Exhibition- 2016	SCOPE, Pune	27/08/2016

9	Prof. A. M. Patki	Recent Advances in Nano materials, Nanotechnology and Nanofabrication	SCOE, Pune	11/12/2016 - 16/12/2016
10	Prof. A. M. Patki	Two days seminar on Achieving Make –in-India Through Manufacturing Advancement	SCOE, Pune	20/ 01/2017- 21/01/2017
11	Prof. A. M. Patki	Future Trends and Challenges in Mechanical Engineering	SCOE, Pune	17/01/2017-19 /01/2017
12	Prof. D.V. Khankal	Research Kaleidoscope	SCOE, Pune	17/11/2016 - 18/11/2016
13	Prof. D.V. Khankal	Matlab & Simulink	SCOE, Pune	05/12/2016- 10/12/2016
14	Prof. D.V. Khankal	One day workshop on “Intellectual Property Rights and Patents”	SCOE, Pune	27/12/2016
15	Prof. D.V. Khankal	Two days seminar on Achieving Make –in-India Through Manufacturing Advancement”	SCOE, Pune	20/01/2017- 21/01/2017
16	Prof. D.V. Khankal	One day workshop on “Financial planning and Wealth Management”	SCOE, Pune	27/01/2017
17	Prof. S. S. Patil	Train the Trainer	SCOE, Pune	08/06/2016- 10/06/2016
18	Prof. Mrs. A. M. Patki	Train the Trainer	SCOE, Pune	08/06/2016- 10/06/2016
19	Prof. Y. A. Kakade	Train the Trainer	SCOE, Pune	08/06/2016- 10/06/2016
20	Prof. A. S Chavan	Train the Trainer	SCOE, Pune	08/06/2016- 10/06/2016

**d- FDP/STP/TTT etc –Organized -**

Sr. No	Name of the faculty	Title of the Programme	Period
1	Prof. S. S. Patil	Train the Trainer-Heat and Fluid Engineering	08/06/2016- 10/06/2016
2	Prof. Mrs. A. M. Patki	Train the Trainer-Material science	08/06/2016- 10/06/2016

3	Prof. Y. A. Kakade	Train the Trainer-Welding and Foundry	08/06/2016-10/06/2016
4	Prof. A. S Chavan	Train the Trainer-Mechanics of materials	08/06/2016-10/06/2016

### • University Results:

- Give the Percentage of university results without backlog / ATKT for the last four years

$$\% \text{ Result} = \frac{\text{No. of students passed without backlog/ATKT}}{\text{No. of students appeared for exam}}$$

Year	P-2 (2016-17)	P-3 (2015-16)	P-2 (2014-15)	P-3 (2013-14)
Second Year	56.52	52.85	64.06	50
Third Year	71.21	72.60	73.17	70.77
Final Year	100	97.50	93.84	88.73

Sr. No.	Semester – II Results (%)		
	SE	TE	BE
1.	56.52	71.21	100

### • Value Added courses during current year:

Sr. No.	Title	Conducted by	Duration From - To	No. of Students Enrolled
1.	Advanced Automation Training	n-Gen Automation ,Pune	07/09/2016-09/09/2016	58
2.	Value Stream Mapping	Satav Deliberates, Pune	24/03/2017	41
3.	National Level Paper Presentation Competition, "PRODZINE- 4	Department of Production Engineering, SCOPE,Pune	01/09/2016-02/09/2016	107



**Inauguration ceremony of “PRODZINE- 4**



**Faculty and Participants**



**First Prize Winners**

• **Memorandum of Understanding (MoUs):**

Sr. No	Name of the Industry / Organization	Date of the MoU	Purpose	Outcome
1	Geometric Limited	03/01/2017 to 03/01/2018	Student training on Design of Manufacturing Pro & Geometric stack up.	This course is planned to know various advanced tools used in industry which will increase their employability. This program includes industry oriented projects that would address the essential requirements to build a career in

				Engineering Design and Development.
2	Global Biz-ware Solutions	01/02/2017 to 30/03/2020	Seminar on process planning and product realization , sponsored for PRODZINE , Professional job skills program Strong fundamental engineering knowledge, multiple technical skills	Practical knowledge of Operational excellence like Six sigma, Kaizen & 5s.
3	CADD Center Pune	01/01/2017 to 31/12/2020	Guest lecture on MAT Lab ,CAD,CAM ,CAE and its application - Student training programme and certification	Students will acquire knowledge in design of components & live projects practice
4	Synergy School of business schools	01/02/2017 to 30/03/2020	Guest lecture on professional job skills and development program -Training for project management concepts, operational excellence & people skills	Student will develop high confidence level , current industry trends and challenging requirements

### • Industrial Visits:

Sr. No	Date of Visit	Name of the Industry / Organization	Location	Objective	Outcome
1	23/9/2016	Padmavati Casting, Pvt, Ltd	Kagal PB Road, Kolhapur	To get exposor of pattern & casting	To understand process of



					pattern making & sand casting
2	21/9/2016	Anand Engineering Works, Narhe	Sr. No. 38/2/17 Near PARI Company Narhe, Pune 41	To get exposor of different machine tools	To understand working of different machine tools
3	03/10/2016	TATA Motors	Telco Road, (Near KSB Chowk) Pimpri, Pune - 411018	To get exposor of line balancing & assembly of auto component	To understand line balancing for more productivity & reducing assembly line time
4	20/01/2017	Minda Vast Access Systems Pvt. Ltd	B-12, MIDC, Chakan, Pune 410501	To get practical exposure of various world class manufacturing techniques	To understand different world class manufacturing, techniques like POKAYOKA, KIZEN, Quality Circle etc
5	17/03/2017	Jwala Industries.	W-106, S- Block, Indrayani Nagar, MIDC Bhosari, Pune 26	To get exposor the various machining process.	To understand various processes and heavy job works.
6	17/03/2017	Sagar Machine Tools Ltd.	F-140, Indrayani Nagar MIDC Bhosari, Pune 26	To get exposor about industrial function and various tools in industry	Student understand the concept of quality tools and application of heavy duty machine tools.
7	20/03/2017	J. T Machinist Engg. Pvt. Ltd.	J- 41, MIDC Bhosari, Pune, 26	To get exposor of advanced machining processes.	To understand the various advance processes.
8	20/03/2017	Fairdeal Rubber	J-39, 'S' Block, MIDC, Bhosari, Pune 26	To get exposor to manufacture various types of rubber products	To understand practical knowledge of manufacturing of rubber

				in hydraulics and pneumatics.	products like gasket, seal, rings etc
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**An Industrial visit at Minda Vast Access Systems Pvt. Ltd. Chakan Pune**



**Industrial visit at "Sagar Machine Tools "F-140, Indrayani Nagar MIDC Bhosari Industrial Estate Pune**



**Industrial visit at "J T Machinist J-41, MIDC Bhosari Industrial Estate, Pune**



**Industrial visit at "Fairdeal Rubber, Bhosari, Pune**

### • Expert Lectures organized-

Sr. No.	Name of Expert	Topic of Lecture	Date	No. of Students Attended
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1	Mr. Mahesh M. Jaydeokar Division Productivity Council, Pune.	Lean Manufacturing in Industries	08/07/2016	40
2	Mr. Kiran Lalsangi Director, 11 DOT Cadtech Pune	Importance of Drawing Reading	13/07/2016	25
3	Mr. Kiran Lalsangi Director, 11 DOT Cadtech Pune	Employability Importance of Drawing Reading	20/07/2016	48
4	Mr. Vinit Marathe Vinarc Engineering, Bhosari, Pune.	Defects in welded components and IAW Programme details	21/07/2016	55
5	Mr. Nilesh Narvekar CEO, nGEN AUTOMATION Bhugaon Mulshi	Art of Mechatronics	29/08/2016	42
6	Mr. Ganesh Jadhav, Quality Management Services, Chinchwad, Pune	ISO Certification Courses	30/08/2016	46
7	Mr. Prasad Thakare. DGM Voltas Material Handling Pvt. Ltd. Pune.	Quality Function Deployment	22/09/2016	44
8	Mr. Prasad Thakare, DGM Voltas Material Handling Pvt. Ltd. Pune.	Manufacturing Quality Verification	20/03/2017	45
9	Mr. Prashant Nair Imperial Overseas Education Consultants Hinjewadi, Pune	Higher Studies(MS/PhD)	16/03/2017	42
10	Mr. Prashant Nayar Imperial Overseas Education Consultants Hinjewadi, Pune	Higher Studies(MS/PhD)	17/03/2017	14
11	Mr. Yogesh G Kasture QMS Pulse, Pimpri Pune	Design Thinking	31/01/2017	50
13	Mr. Sandeep Upadhye CADD Centre, Wadgoan Pune	Matlab and its Application	31/01/2017	19

14	Mr.Sandeep Upadhye CADD Centre, Wadgoan Pune	Matlab and its Application	31/01/2017	42
15	Mr. Prashant Negi CADD Centre, Wadgoan Pune	Awarness on CAD, CAM, CAE	24/01/2017	19
16	Mr. Prashant Negi CADD Centre, Wadgoan Pune	Awarness on CAD, CAM, CAE	24/01/2017	42
17	Mr. Vineet Naik Synergy School of Business Skills Pune	Professional Job Skills Development Program	18/01/2017	17
18	Mr. Vineet Naik Synergy School of Business Skills Pune	Professional Job Skills Development Program	17/01/2017	38
19	Mr. Milind Joshi FC Road Pune	Overseas Studies and IELTS Mock	27/12/2016	17
20	Mr. Milind Joshi FC Road Pune	Overseas Studies and IELTS Mock	27/12/2016	17
21	Chanakya Joshi	Employability Skills	13/01/2017	18
22	Yogiraj Dhama	Design for Manufacturing	10/01/2017	18
23	Yogiraj Dhama	Design for Manufacturing	10/01/2017	18
24	Chanakya Joshi	Employability Skills	13/01/2017	38
25	Subhash Pol	Higher Studies-Overseas Scholarships and Jobs	29/03/2017	40



A seminar on Professional Job Skills Development Program was conducted by Mr. Vineet Naik

## • Student Projects:

Sr. No.	No of projects by students	
	UG	PG
1.	18	NA

### • Field/ Industrial Projects for students during current year

Sr. No	Name of Projects	No. of students enrolled for projects	Prominent Industries Sponsoring the projects
1	Study and analysis of multipoint diamond dressers on CNC grinding wheel	04	Grindwell Norton Limited Shivajinagar, Pune Maharashtra-411001
2	Analysis, customization and implementation of ERP in manufacturing industry	04	Ganesh Industries, Shivane, Pune-Maharashtra 411023
3	Vendor selection using optimization technique	04	Fluid controls, MIDC, Bhosari Pune Maharashtra
4	Design & development of box dumper	04	Western metal industries Pvt Ltd Hadapsar Pune
<b>Total</b>		16	

### • Students Internship summary:

Sr. No	Name of student	Class	Name of Company	Duration (Days)	Period	
					Start	End
1	Jadhav Tushar S.	TE	Anand Engg. Works, Pune	13	30/11/2016	12/12/2016

2	Chaudhari Ganesh M.	TE	Anand Engg. Works, Pune	13	30/11/2016	12/12/2016
3	Kiran Chitore	TE	John Deere Ind. Pvt. Ltd Hadpsar Pune	60	01/06/2016	31/07/2016
4	Siddhant Jadhav	TE	John Deere Ind. Pvt. Ltd Hadpsar Pune	60	01/06/2016	31/07/2016
5	Ramanuj Bangad	TE	John Deere Ind. Pvt. Ltd Hadpsar Pune	60	01/06/2016	31/07/2016
6	Mohammed Shaikh	TE	John Deere Ind. Pvt. Ltd Hadpsar Pune	60	01/06/2016	31/07/2016

• **Students Internship details:**

No of Internship by students	
UG	PG
06	NA

• **Employability Skill Development (ESD) Program:**

Name of the company	Date	Event name	Objectives
N-Gen Automation	07/9/2016- 09/9/2016	Advanced Automation Training	Encourage & enhanced create avenues and environment for greater involvement.

• **Placement, Higher Studies, Self-Employment**

Sr. No.	Year	2016-17
i	Total No. of students placed including off campus	17
ii	No. of students going for higher studies	16
iii	No. of students self employed	00
iv	Total ( I + ii + iii)	33
v	Total students in final year	70
vi	$\% \text{ placement} = \frac{i + ii + iii}{v}$	47.14



Sr. No.	Placement Date	Name of Company	No of student placed
1	17/1/2016	Cognizant Technology Solutions, Pune	1
2	10/01/2017	Accenture Services Pvt. Ltd, Pune	1
3	14/03/2017	India soft Technologies Pvt Ltd, Pune	1
4	12/02/2017	Workz Media FZ-LLC, Dubai	1
5	10/05/2017	Think and Learn Pvt Ltd, BYJU's, Pune	1
6	8/06/2017	Duroshox, Sanaswadi, Pune	1
7	28/08/2017	TATA Motors, Pune	1
8	10/7/2017	Shree Bhimeshwari Ispat Pvt, Ltd, Pune	1
9	4/06/2017	Fecuni Pvt Ltd, Parvati Industrial Estate, Pune(12K)	1
10	3/07/2017	Thermotek Composite Pvt. Ltd., GKD Ind. Estate, Pune	1
11	11/12/2017	Western Refrigeration Pvt. Ltd, Bhandup	1
12	10/09/2017	Atlas Copco, Pune	1

### • Students Achievements:

Sr. No.	Name of the Student	Activity	Organizer	Prize/Rank
1	Pawar Pradnya	Student Formula Japan 2016, 6 <sup>th</sup> -10 <sup>th</sup> Sep.2016	Society of Automotive Engineers of Japan	5 <sup>th</sup> rank in business logic.
2	Saste Snehanjali	Student Formula Japan 2016, 6 <sup>th</sup> -10 <sup>th</sup> Sep.2016	Society of Automotive Engineers of Japan	5 <sup>th</sup> rank in business logic.
3	Biraje Piyush	Student Formula Japan 2016, 6 <sup>th</sup> -10 <sup>th</sup> Sep.2016	Society of Automotive Engineers of Japan	5 <sup>th</sup> rank in business logic.



4	Chandak Saharsh	Student Formula Japan 2016, 6 <sup>th</sup> -10 <sup>th</sup> Sep.- 2016	Society of Automotive Engineers of Japan	5 <sup>th</sup> rank in business logic.
5	Bothra Nilesh	Student Formula Japan 2016, 6 <sup>th</sup> -10 <sup>th</sup> Sep.2016	Society of Automotive Engineers of Japan	5 <sup>th</sup> rank in business logic.
6	Chithore Karan	Student Formula Japan 2016, 6 <sup>th</sup> -10 <sup>th</sup> Sep.2016	Society of Automotive Engineers of Japan	5 <sup>th</sup> rank in business logic.
7	Darade Pranav	Student Formula Japan 2016, 6 <sup>th</sup> -10 <sup>th</sup> Sep.2016	Society of Automotive Engineers of Japan	5 <sup>th</sup> rank in business logic.
8	Deotale Parag	Student Formula Japan 2016, 6 <sup>th</sup> -10 <sup>th</sup> Sep.2016	Society of Automotive Engineers of Japan	5 <sup>th</sup> rank in business logic.
9	Darade Pranav	Formula Bharat 2017, 25 <sup>th</sup> -30 <sup>th</sup> Jan.2017	Society of Automotive Engineers India	5 <sup>th</sup> rank in business logic.
10	Divya Chintamani	e-BAJA SAE, 14 <sup>th</sup> -20 <sup>th</sup> Feb. 2017	Society of Automotive Engineers India	Participated

### • GRE/TOEFL/IELTS/GATE/CET:

GRE	IELTS	TOEFL	CET	ATMA
6	1	4	5	1

### • NSS Activity:


Sr. No.	Student Name	Year
1	Sachin Amle	TE
2	Yateen Sonje	TE
3	Anjali Kasar	TE
4	Mayuri Bangar	TE

Sr. No.	Activity Name	Date	Place	No. of Teachers Coordinate Activity
1.	Winter Camp	09/01/2017 to 15/01/2017	Harishchandri, Tal- Bhor, Dist.- Pune	1

### • Departmental Technical News Letter-Spiegel-

Spiegel is the platform given to our students to express their ideas and improve their writing skills. It is published in every semester where events organized by our department in Techtonic 2017 and various achievements of our students are highlighted.

SINHGAD COLLEGE OF ENGINEERING, VADGAON(BK),  
PUNE-411041



# SPIEGEL

Volume 13 2016-17

## DEPARTMENT OF PRODUCTION ENGINEERING

### -: UNDERGRADUATE PROGRAMME :-

**VISION :-** To prepare students to capable with sufficient production engineering back ground through effective teaching and appropriate academic planning so that they can get job in industries or persue higher studies.

**MISSION :-**

- 1) To impart quality education to student through curriculum and educational experience and to enhance their skills so as to survive in global competitive market.
- 2) To make students to think and apply whatever taught to them and propagate the same to serve the nation.

**PRODUCTION ENGINEERING OBJECTIVES :-** PEO'S defined for an Undergraduate programme course or a set of courses, and their mapping with the curriculum is as follows:

- 1) Development of high level technical knowledge among students to excel in professional field.
- 2) Development of appropriate skills required in manufacturing and industrial engineering to meet the need of Indian & International companies.
- 3) Development of skills to formulate, analyze and solve a production system including automation.
- 4) Development of professional & ethical attitude, effective communication skills, team-work skill and ability to relate engineering issues to social context including environment.

**PROGRAMME OUTCOMES :-**

- A) Graduates will demonstrate basic knowledge in mathematics, science & engineering.
- B) Graduates will demonstrate the ability to conduct experiment, interpret, analyze & report the results.
- C) Graduates will demonstrate the ability to identify the multidisciplinary system as well as method to make synergy amongst them.
- D) Graduates will demonstrate the ability to identify the process of manufacturing, machine tools an appropriate planning of work material for functional purpose.
- E) Graduates should have the ability to design and optimize the production system.
- F) Graduates shall have the capability to judge the efficiency of production system.
- G) Graduates should be able to identify, formulate and analyze a production system.
- H) Graduates should be able to use techniques, skills and modern engineering methodologies to meet industrial demand.
- I) Graduates shall be capable of self education and getting familiarized with production software and modern equipments.
- J) Graduates will have familiarity with advance trends in manufacturing automation and ethical responsibilities to compete on national or global platform.
- K) Graduates will demonstrate an understanding of their professional and ethical responsibilities to compete on national or global platform.
- L) Graduates should develop effective communicating skills in verbal/written forms.
- M) Graduates will have an understanding of their responsibilities for social and contemporary issues.

**LONG TERM GOALS**

- A) To enhance industry-institute interaction and to become a solution provider for the industries.
- B) To orient students towards research and development activities.
- C) To establish collaboration with premier institutes in the field of engineering and technology.

**SHORT TERM GOALS**

- A) To increase publications in reputed journals.
- B) To increase resource generation through Consultancy, Research Projects, Testing and STTP.
- C) To update program curriculum and laboratories with the appropriate industry recommendations.
- D) To motivate students for entrepreneurship, pursuing higher studies and competitive exams.

Aesthetiction award  
in Nose Drive 2017  
organised by SCOE,  
Vadgaon in Techtonic  
2017

Team members -  
Suyash Basate,  
Piyush Biraje,  
Saharsh Chandak,  
Karan Chithore and  
Pranav Darade.



#### DEPARTMENTAL TOPPERS 2016-2017

##### Second Year

Sr.No.	Name Of Student	SGPA
1.	Patil Himanshu	9.52
2.	Bhan Retesh	9.40
3.	Mule Rohit Uddhav	9.34

##### Third Year

Sr. No.	Name Of Student	Percentage
1.	Yateen Natekar	78.53%
2.	Shital Kokate	76.93%
3.	Yadav Yogesh	74.93%

##### Fourth Year

Sr. No.	Name Of Student	Percentage
1.	Nair Suraj	84.53%
2.	Patankar Chinmaya	82.53%
3.	Shaikh M. Zeeshan	75.87%



##### Congratulations

Manan Pincha and Yash Sancheti (TE)  
for presenting a technical paper in  
International conference on Future trends  
and challenges in Mechanical Engg.  
(FTCME 2017)

##### Spiegel Team

Staff Incharge :- Prof. Mrs.A.M.Patki  
Editor :- Anjali Kasar  
Co-editor :- Pradeep Kotal

# **Annual Academic Audit Report**

## **MBA**

### **2016-17**

## • Mission

Holistic development of students and teachers is what we believe in and work for. We strive to achieve this by imbibing an unique value system, transparent work culture, excellent academic and physical environment conducive to learning, creativity and technology transfer. Our mandate is to generate, preserve and share knowledge for developing a vibrant Society.

## • Quality Policy:

Quality Policy aims to establish centre of excellence for technical education and research in Engineering & Technology by way of;

- Inducting faculty having sound knowledge in the field of Science and Engineering and to make special efforts to retain them.
- Proven good results and admitting quality students.
- Developing human capital by supporting talent, ideas and energies of outstanding individuals.
- Promoting partnerships with the quality institutes like IITs', IISc, etc. , research organizations like ARAI, NCL, C-DAC, etc. & prominent corporate houses.

Developing excellent teaching learning process by establishing cohesive bond between students & faculty and healthy atmosphere with decent discipline.

## • Goals:

### • Long Term Goals

1. To establish Research Centre as Centre of Excellence in Engineering Research and Development
2. To seek Academic Autonomy leading to University status
3. To develop an Engineering Knowledge Centre of Society in general
4. To develop the institute in focused areas like Information Technology, Biotechnology, Energy, Materials etc.

### • Short Term Goals

1. To add new Post Graduate and Ph.D. programs
2. To motivate and depute faculty for Doctoral Programs
3. To improve the interaction with institutes of national and international repute and industries from various fields of engineering.

## • Research Activities

a. University / College sponsored ongoing projects undertaken by faculty

Sr. No	Title	Grant sanctioned
01	A Study on grievance redressal system in LIC of India	90,000

b. List of Publications – Journals :

Sr. No.	Department	Number of Publications
1.	MBA	07

Research publications in Journals notified on U.G.C. Website

Sr. No	Title of paper	Name of Publication	Impact factor of Journal	Citations of Paper
1	Customer Preference towards branded coffee shops like Café Coffee day, Amul, Lipton, Nescafe in Institute Campus	Scholarly Research Journal's SRJ, ISSN 2278-8808	4.889	-
2	Service Quality Models: A Review Of Literature	Sankalan, International Multidisciplinary Peer Reviewed Research Journal, ISSN: 2454-9266	-	-
3	Customer preference towards readymade garments in Pune city: An empirical study	International Journal of Advanced Information Science and Technology (IJAIST), ISSN: 2319-2682	-	-
4	A Study of Non-Performing Assets and its Impact on Banking Industry	International Journal for Research, ISSN (online) 2395-7549	-	-



5	A Comparative risk analysis of Kodak selected focus fund (G) Mutual fund scheme	Imperial Journal of Interdisciplinary Research (IJIR), ISSN (online) 2454-1362		02
6	A study of Economical impact of Entry of organized retailers on unorganized retailers with special reference to Maharashtra State	International Journal of Management		4
7	A Study of multi perspective issues for employment of management graduates	International Journal of Business Management and research ( ISSN:2249-8036)	6.9	

#### Research Publications – Conferences:

Sr. No.	Department	Number of Conferences
1.	MBA	03

#### FDP/STTP/Workshop/Conferences Organized:

Sr. No.	Department	No. of FDP/STTP/Workshop/Conferences Organized
9.	MBA	3

#### FDP/STTP/Workshop/Conferences Attended by Faculty:

Sr. No.	Department	No. of STTP/Workshop/Conferences Attended
1.	MBA	01

#### Workshops / Seminars / Conferences:

- a. No. of Workshops / Seminars / Conferences etc - Organized

Sr. No	Title	Name of Dept.	Period From - To	No. of Participants
1	Importance of certification for IB and BA	MBA	30 Aug 2016	54
2	Personal Introduction, Body Language and	MBA	31 Aug 2016	54
3	Cyber Security	MBA	20 Sept 2016	61
4	Mobile money applications of	MBA	5 Jan 2017	48
5	How to write CV	MBA	25 Jan 2017	45
6	Advanced MS Excel	MBA	26 Sept 2016 25 Oct 2016	55

**b. No. of Faculty participation in Seminars / Conferences / Symposia etc.**

Sr. No	Title	International	National level	State Level	Local
1	Attended only	-	-	1	-
2	Presented Papers	2	1	-	-
3	Resource Person	—	—	—	—

**c. FDP/STP/Train the Trainer (TTT)/ NPTEL Courses/ Industrial Training etc – Attended by faculty**

Sr. No	Name of Faculty	Title of Programme	Sponsored by	Period
1	Dr. Ujjwal Mishra	Developing Soft Skill and Personality	NPTEL, IIT Kanpur	July- Sep 2017, 08 weeks

### • University Results:

Percentage of university results without backlog /ATKT for the last four years

Year	Previous P	P-1	P-2	P-3
First Year	68.97	66.66	76.00	<b>77.77</b>
Second Year	89.47	93.87	94.33	89.47

Sr. No.	Department	Semester – II Results (%)		
		SE	TE	BE
1.	MBA	89.47	NA	NA

### • Value Added Program (VAP)

Sr. No.	Department	Title	Conducted by	Duration	No. of Students
1.	MBA	Lean 6 Sigma	AIQM	03 Batch	167

### • Memorandum of Understanding(MoUs)

Sr. No.	Department	No of MoUs
1.	MBA	01

Sr. No	Date of the MoU	Name of the Industry /	Purpose	Outcome
1	1st April 2017 Revised	Asian Management Training Centre	Various Quality Management value added course.	Students will learn various technique and tools of quality

### 13. Industrial Visits

Sr.	Department	No. of Industrial Visits
1.	MBA	1

Sr. No	Date of Visit	Name of the Industry /	Location	Objective	Outcome
1	28/2/2017	Thermax India Ltd	Pune	Exposure to students related to their academic subjects	Students Better understanding of practical aspects with theoretical aspects



**Industrial Visit to Thermax**

## 14. Students Projects

Sr. No.	Department	No of projects by students	
		UG	PG
1.	MBA	NA	58

• **Students Internship summary:**

Sr. No	Name of student	Class	Course	Name of Company	Duration	Period
Mktg 1	Bhat Sandeep	MBA	SIP	Jammu & Kashmir Bank Ltd., Jammu	2 Month	May to July 2016
Mktg 2	Bankar Kartik	MBA	SIP	Money Plant Consultancy, Pune	2 Month	May to July 2016
Mktg 3	Damle Vatsal	MBA	SIP	Careerpedia, Pune	2 Month	May to July 2016
Mktg 4	Dumbre Himanshu	MBA	SIP	Return on Web, Pune	2 Month	May to July 2016
Mktg 5	Gaikwad Shivraj	MBA	SIP	PREX International Pvt. Ltd., Pune	2 Month	May to July 2016
Mktg 6	Gajbhiye Abhijit	MBA	SIP	Merino Industries Limited, Pune	2 Month	May to July 2016
Mktg 7	Ghelot Anjali	MBA	SIP	RSWM Ltd.	2 Month	May to July 2016
Mktg 8	Hadawale Swapnil	MBA	SIP	SK Advertiser	2 Month	May to July 2016

Mktg 9	Hake Babsaheb	MBA	SIP	Hero Motocorp Ltd.	2 Month	May to July 2016
Mktg 10	Jadhav Shweta	MBA	SIP	Godrej and Boyce,Pune	2 Month	May to July 2016
Mktg 11	Jha Amit	MBA	SIP	Bengal Chemicals & pharmaceuticals Ltd.	2 Month	May to July 2016
Mktg 12	Joshi Madhuresh	MBA	SIP	ACG Pharma Technologies Pvt. Ltd.,	2 Month	May to July 2016
Mktg 13	Kadam Nikita	MBA	SIP	Eureka Forbes Ltd.	2 Month	May to July 2016
Mktg 14	Kare Sambhaji	MBA	SIP	Moraya Pharma, Pune	2 Month	May to July 2016
Mktg 15	Kaur Jasvinder	MBA	SIP	Return on Web, Pune	2 Month	May to July 2016
Mktg 16	Namjoshi Aditya	MBA	SIP	PREX Internation PVT. LTD.,Pune	2 Month	May to July 2016
Mktg 17	Newale Avinash	MBA	SIP	Sujaya Enterprizes Pvt Ltd.	2 Month	May to July 2016
Mktg 18	Panwar Megha	MBA	SIP	HMT machine tools Ltd.	2 Month	May to July 2016
Mktg 19	Pardeshi Saurabh	MBA	SIP	Return on Web, Pune	2 Month	May to July 2016

Mktg 20	Shendekar Pritesh	MBA	SIP	Pharmarack	2 Month	May to July 2016
Mktg 21	Singh Jyoti	MBA	SIP	Aegis Global, Mumbai	2 Month	May to July 2016
Mktg 22	Taru Sagar	MBA	SIP	Sherkhan Ltd.	2 Month	May to July 2016
Mktg 23	Topre Sanket	MBA	SIP	Prasana Purpal, pune	2 Month	May to July 2016
Mktg 24	Vikash Raj	MBA	SIP	Reliance	2 Month	May to July 2016
Mktg 25	Yadav Ujay	MBA	SIP	Sun n Sand	2 Month	May to July 2016
Mktg 26	Yeola Abhijit	MBA	SIP	Inc Rev Consulting,Pune	2 Month	May to July 2016
Mktg 27	Yewale Rahul	MBA	SIP	Mahalaxmi Automotive Pvt. Ltd.	2 Month	May to July 2016
F1	Amit Bari	MBA	SIP	Texmo Pipes and Product LTD,Burhanpur	2 Month	May to July 2016
F2	Borole Chetan	MBA	SIP	Money Plant Consultancy Co., Pune	2 Month	May to July 2016
F3	Chaudhari Khushbu	MBA	SIP	Money Plant Consultancy Co., Pune	2 Month	May to July 2016



F4	Desai Akshata	MBA	SIP	H & R Block, Pune	2 Month	May to July 2016
F6	Gawali Yogesh	MBA	SIP	Birla Sunlife Insurance	2 Month	May to July 2016
F7	Ghadge Chaitany	MBA	SIP	Pune Stock Exchange Securities Ltd.,Pune	2 Month	May to July 2016
F8	Gorad Ravindra	MBA	SIP	Husco Hydraulics PVT	2 Month	May to July 2016
F9	Gurav	MBA	SIP	S. H. Kelkar and	2 Month	May to July 2016
F10	Kale Yohan	MBA	SIP	Money Plant	2 Month	May to July 2016
F11	Kharkar	MBA	SIP	NRB Industrial Bearing	2 Month	May to July 2016
F12	Khedkar Snehal	MBA	SIP	H & R Block, Pune	2 Month	May to July 2016
F13	Kodgire Aniket	MBA	SIP	PSE Securities LTD,	2 Month	May to July 2016
F14	Kousakiya	MBA	SIP	ICICI PRUDENTIAL	2 Month	May to July 2016
F15	Kulkarni Abhijit	MBA	SIP	H & R Block, Pune	2 Month	May to July 2016
F16	Nimbalkar	MBA	SIP	PDCC Bank, Indapoor	2 Month	May to July 2016
F17	Oswal Bhushan	MBA	SIP	Money Plant	2 Month	May to July 2016
F18	Patil Gajanan	MBA	SIP	Money Plant	2 Month	May to July 2016

F19	Patil Pankaj	MBA	SIP	TRw Sun steering wheel	2 Month	May to July 2016
F20	Pawaskar Jayant	MBA	SIP	Bank Maharashtra,	2 Month	May to July 2016
F21	Rote Nikita	MBA	SIP	Jagdeesh Iron And Steel	2 Month	May to July 2016
F22	Sangale Prachi	MBA	SIP	H & R Block, Pune	2 Month	May to July 2016
F23	Sansare	MBA	SIP	Prifitmart Securities Pvt.	2 Month	May to July 2016
F24	Vedpathak	MBA	SIP	H & R Block, Pune	2 Month	May to July 2016
F25	Wable Manjusha	MBA	SIP	H & R Block, Pune	2 Month	May to July 2016
F26	Dhawal Kirkol	MBA	SIP	Bank Maharashtra,	2 Month	May to July 2016
OPS 1	Darne Suraj	MBA	SIP	Forbes Marshall Pvt.	2 Month	May to July 2016
OPS 2	Kulkarni Mitali	MBA	SIP	Greaves	2 Month	May to July 2016
OPS 3	Lonkar Vaibhav	MBA	SIP	Fishamigo. Pvt Ltd.,	2 Month	May to July 2016
OPS 5	Hiray Pratik	MBA	SIP	NCC Translogistics Pvt	2 Month	May to July 2016
HR 1	Burde Sonal	MBA	SIP	Techcraf Soluion Pvt.	2 Month	May to July 2016
HR 3	Patel Sujata	MBA	SIP	IREF Knowledge	2 Month	May to July 2016

- Students Internship details:

Sr. No.	Department	No of Internship by students
		PG
1.	MBA	58

- Placement, Higher Studies, Self-Employment

Sr. No.	Year	2016-17	2015-16	2014-15
i	Total No. of students placed	51	44	48
ii	No. of students going for higher	1	1	1
iii	No. of students self employed	2	4	3
iv	Total ( I + ii + iii)	54	49	52
v	Total students in final year	57	51	54

Sr. No	Placement date	Name of Company	No of student place
1	October 2016	Deloitte	2
2	April 2017	Tech Mahindra	1
3	April 2017	ICICI Merchant Services	1
4	November 2016	West Coast Marine Yacht Services Pvt. Ltd.	1
5	November 2016	Parekh Integrated Services Pvt. Ltd.	1
6	February 2017	METRO Global Business Services Pvt. Ltd.	2

7	November 2016	BNY Mellon	2
8	December 2016	Ryder Shipping Lines Pvt. Ltd.	1
9	December 2016	Berger Paints India Ltd	1
10	December 2016	ASSOCIATION OF INDIAN FORGING INDUSTRY	1
11	January 2017	CavinKare Pvt. Ltd	1
12	January 2017	Airtel	1
13	January 2017	PARKAR Global Technologies	1
14	December 2016	Cloud X	1
15	November 2016	Indusind Bank	1
16	November 2016	OPPO Mobiles MU Pvt. Ltd.	1
17	June 2017	MRF Tyre Ltd	1
18	January 2017	Fidelity Information Systems	1
19	March 2017	LT Foods	1
20	March 2017	FutureArch Events	1
21	March 2017	Capgemini	1

22	June 2017	Bharti Airtel Ltd	1
23	March 2017	FIS Global (SUNGARD)	1
24	March 2017	Infosys BPO	1
25	March 2017	Royal Futures Consultants India Pvt. Ltd.	1

## Students Achievements

Sr. No.	Name Of The	Activity	Organizer	Prize/Rank
1	Chaitanya Ghadge	Financial Markets Talent Search	Financial Markets Leadership Institute & N L Dalmia Institute of Management Studies &	Ist Consolation



**Mr. Chaitanya Ghadge receiving prize**

- **Workshop on Communication skills “Run , Jump, Fly”**

The workshop was organized for MBA I year students on Communication Skill on 4<sup>th</sup> September 2015. Mr. S Chandrasekhar delivered lecture on Basic Writing Skills which covered areas like Punctuation, Commonly Confused words and Basic Grammar. He discussed examples based on time bound work, how to set realistic goals and how to achieve it. The resource person gave some useful information and tips on drafting business/official letters and the participants were asked to work in groups and write out formal letters making use of the tips and following the guide lines given.



- **Workshop on Research Methodology:**

The session was delivered by Dr. Roshan Kazi, Professor AIMS Pune. There were total 64 registrations for the workshop. Dr. Kazi covered almost all important aspects of research. He started with types of data and than moved on to the next topics and he emphasized more upon right technique for data analysis. He also introduced widely used research software SPSS to the students.



- **Workshop on Media Matrix:**

Three day workshop was organized on Media Matrix on 10<sup>th</sup> Feb 2016 to 12<sup>th</sup> Feb 2016. The workshop helped the students to get the practical knowledge in Print Media. The three day theme was designed and lectures delivered. The themes were Print Media, Circulation –Distribution and Accounting, Working of Advertising Agency.



- **Workshop on Micro Analysis of Financial Statement:**

The workshop on Micro Analysis of Financial Statement was organized on 12<sup>th</sup> March 2016. Mr. S Chandrasekhar delivered lecture on types of business organizations importance of financial statements. He discussed examples various companies balance sheet and profit and loss account. The resource person conducted 10 to 15 minutes short Building basics and clarifying the questions in the entry test. Introduction to concept followed by case lets such as

- 1.Simple B/S Analysis -
- 2.Bank B/S Analysis -
- 3.Detailed B/S –

This pedagogy was appreciated by the students.

This workshop helped the students to understand the financial statement in short time.





**Annual Academic Audit Report**  
**Department of Engineering Sciences**  
**(First Year Engineering)**  
**2016-17**

## • Vision

To support the core engineering departments and produce graduates with fundamental knowledge and skills in Mathematics and Basic Sciences with acumen to be leaders amongst the generation of engineers.

## • Mission

To incorporate the best pedagogical methods to deliver basic sciences to engineering students and to guide them in their extracurricular pursuits, challenge them to be proactive learners, deep thinkers and responsible citizens in early stages of their engineering education.

## • Quality Policy

We the faculty, staff and students are dedicated to implement best practices in engineering education, and develop transparent procedures for the benefit of all stakeholders.

## • Goals

### • Long Term Goals

- To acquire research based learning skills by faculty
- To bridge the gap between Fundamental Sciences and Engineering
- To prepare the students of first year engineering for comfortable transition to respective program of engineering through expert lectures and seminars

### • Short Term Goals

- More involvement of faculty in curriculum development of affiliated university
- Support to core departments for guiding projects of students
- To motivate the faculty for qualification up-gradation
- To increase number of Journal publications.

## • Activity Plan of Departments:

Academic Activities	Co-Curricular Activities	Faculty Development And Industry Interface
<ul style="list-style-type: none"> <li>• Teaching Plan</li> <li>• Self-Learning Sessions.</li> <li>• Attendance</li> <li>• Teacher Guardian Scheme (Mentor)</li> <li>• Mock Online exams</li> </ul>	<ul style="list-style-type: none"> <li>• Induction Program</li> <li>• Teachers' Day</li> <li>• Social / Cultural Programs/ Sports</li> <li>• Parent Meet</li> </ul>	<ul style="list-style-type: none"> <li>• Lectures by Training &amp; Placement Officer</li> <li>• Seminars &amp; Conferences</li> <li>• Train the Trainers Program</li> </ul>

<ul style="list-style-type: none"> <li>Value addition programmes</li> <li>Student Training Programmes (STP) motivational Lectures</li> <li>Open Feedback</li> <li>Unit Tests, Prelims</li> <li>Well defined Internal Assessment Scheme</li> </ul>		
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### • Research Activities:

#### • Research projects

- Industry /NGO/Govt. – Sponsored ongoing projects undertaken by Faculty: Nil
- University / College sponsored ongoing projects undertaken by faculty:

Title of Project	Funding Agency	Faculty Incharge/s	Duration	Grant Sanctioned (in Rs.)	Grant Received (in Rs.)	Project completion (in %)
Removal of Trace Concentration of Heavy Metal Ions in Waste Water of Electroplating Industry Using Alumino-silica Monoliths.	Board of College and University Department, (BCUD), Savitribai Phule Pune University	Dr. V. R. Doss	2014-16	2,40,000	2,20,000	100%

- Student ongoing Research Projects: Nil

#### • R&D, Consultancy and Grants:

Sr. No.	Department	No. R&D, Consultancy Projects	Amount Sanctioned in Rs.	Amount Received in Rs.
	-	-	-	-

● **List of Publications – Journals :**

Sr. No.	Department	Number of Publications
1.	Engineering Sciences	08

● **Research publications in Journals notified on U.G.C. Website**

Sr. No	Title of paper	Name of Publication	Impact factor of Journal	Citations of Paper
1	Effect of Ultrasonic wave treatment in pH value of cabbage juice	International journal of innovative research in science, Engineering and technology	1.672	-
2	Geometric Number of planar graph	International journal of innovative research in science, Engineering and technology	1.672	-
3	Removal of chromium from industrial effluent by adsorption using alumina silica monolith	International journal of advance research in science and engineering	1.142	
4	Fuzzy tree transducers	Advances in fuzzy mathematics	--	
5	Product on fuzzy tree automata	International Journal of fuzzy mathematics and systems	1.085	
6	Use of Rogowski Coil as Current Transducer for	International Journal of Electrical Engineering and Informatics	0.48	

	Distance Relay Reach Correction			
7	Reach and Operating time Correction of Digital Distance Relay	International Journal of Electrical and Computer Engineering	0.68	
8	Forbidden configurations for distributive, modular and semidistributive posets	Discrete Mathematics	0.578	

● **Research Publications – Conferences :**

Sr. No.	Department	Number of Conferences
1.	Engineering Sciences	02

● **FDP/STTP/Workshop/Conferences Organized :**

Sr. No.	Department	No. of FDP/STTP/Workshop/Conferences Organized
1.	Engineering Sciences	Nil

● **FDP/STTP/Workshop/Conferences Attended by Faculty :**

Sr. No.	Department	No. of STTP/Workshop/Conferences Attended
1.	Engineering Sciences	34

● **Workshops / Seminars / Conferences:**

a. No. of Workshops / Seminars / Conferences etc – Organized : NIL

b. No. of Faculty participation in Seminars / Conferences / Symposia etc.

Sr. No		International Level	National level	State Level	Local
1	Attended only	0	2	7	25
2	Presented Papers	10	--	--	--
3	Resource Person	-	--	-	--

c. FDP/STP/Train the Trainer (TTT)/ NPTL Courses/ Industrial Training etc – Attended by faculty

Sr. No.	Name of Faculty	STTP/Workshop/Conference Attended	Duration /Place
10.	Bhapkar Archana Haribhau	One week STTP on MATLAB & SIMULINK	05/12/2016 to 10/12/2016 SKNCOE, Pune.
11.	Bhapkar Archana Haribhau	AVISHKAR 2016	28/09/2016, Sinhgad College of Engineering, Pune.
12.	Bidwai Sachin Chandrakant	One day workshop on Teaching Strategies and syllabus discussion on engineering Mathematics III	25/06/2016 at Dr. D.Y. Patil Institute and Technology Pimpri Pune and Board of Studies Savitribai Phule Pune University
13.		One day workshop on Syllabus Discussion on Engineering Mathematics III (REvised 2015 Credit Course)	16/12/2016 Pimpri Chinchwad College of Engineering Nigadi Pune And Board of Studies Savitribai Phule Pune University
14.	Chaudhari Vivek Khushal	One week STTP on Recent Advances in Nanomaterials, nanotechnology and Nanofabrication	11/12/2016 to 16/12/2016, SKNCOE Pune.
15.		One day workshop on Automation of Theory Question Paper Generation	09/02/2017 Savitribai Phule Pune University
16.	Dhamne Atul Ramesh	One week training program of IEEE Fall School on Modern Sliding Mode Control	26/10/2016 to 30/10/2016 IEEE Control Systems Society

17.		Two days FDP on Arduino-Basics, Applications and Hands on Practice	13/12/2016 to 14/12/2016 BoS Electrical Engineering
18.		Two day workshop on Use of Circuit Simulator in Teaching Basic Electrical and Electronics Courses	27/01/2017 to 28/01/2017 Vishwakarma Institute of Information Technology, Pune
19.		One day workshop on Automation of Theory Question Paper Generation	09/02/2017 Savitribai Phule Pune University
20.		Two days Research Scholars' Conclave-2017	24/03/2017 to 25/03/2017 Centre of Excellence in Smart & Renewable Energy Systems, COEP, Pune
21.	Dharmadhikari Niraj Meghsham	One week STTP on Advanced Optimization Techniques with Applications in Electrical Engineering	06/03/2017 to 10/02/2017 SIT, Lonavala
22.		One week STTP on Recent Advances in Nanomaterials, Nanotechnology and Nanofabrication.	11/12/2016 to 16/12/2016 SKNCOE Pune.
23.	Diwan Aditi Kalyan	Three day workshop on Patent Drafting and Filing.	17/03/2017 to 19/03/2017 Bharati Vidyapeeth, Katraj, Pune
24.		One week STTP on Treatment of Waste: Issues, Challenges and Problem Solving.	27/03/2017 to 31/03/2017 COEP, Pune.
25.	Diwate Machindranath Bansilal	One day workshop on Teaching Strategies and syllabus discussion on engineering Mathematics III	25/06/2016 at Dr. D.Y. Patil Institute and Technology Pimpri Pune and Board of Studies Savitribai Phule Pune University
26.		7th International Conference on Recent Trends in Engineering, Science and Management	01/04/2017 Genba Sopanrao Moze College of Engineering, Pune
27.	Doss Veena Ravi	One day workshop on Fundamentals of HPLC	23/11/2016 Venture centre, NCL Pune
28.		One week STTP on Advances in membrane development and hands on experience	17/10/2016 to 21/10/2016 SVNIT, Surat
29.	Madure Suvarna Rajendra	One week STTP on Advances in membrane development and hands on experience	17/10/2016 to 21/10/2016 SVNIT, Surat
30.		One day workshop on Fundamentals of HPLC	23/11/2016 Venture centre, NCL Pune
31.	Mhetre Nathasaheb Balu	One day workshop on Teaching Strategies and syllabus discussion on engineering Mathematics III	25/06/2016 at Dr. D.Y. Patil Institute and Technology Pimpri Pune and Board of Studies Savitribai Phule Pune University
32.		One day workshop on Syllabus Discussion on Engineering	16/12/2016 Pimpri Chinchwad College of Engineering Nigadi Pune



		Mathematics III (REvised 2015 Credit Course)	And Board of Studies Savitribai Phule Pune University
33.		Two day workshop on Optimization Technique For Engineering Applications	23/12/2016 to 24/12/2016 S. B. Patil College of Engineering , Indapur , Pune in Associated with Savitribai Phule Pune University
34.	Patil Vaishali Vikas	One week STTP on Recent Advances in Nanomaterials, Nanotechnology and Nanofabrication.	11/12/2016 to 16/12/2016 SKNCOE Pune.
35.		One week STTP on MATLAB & SIMULINK	05/12/2016 to 10/12/2016 SKNCOE, Pune.
36.	Pawar Sambhaji Shivaji	One day workshop on Successful grant applications: getting it right	10/03/2017 Elsevier Publishing Campus
37.		Two days Research Scholars' Conclave-2017	24/03/2017 to 25/03/2017 Centre of Excellence in Smart & Renewable Energy Systems, COEP, Pune
38.	Sarwade Avinash Namdev	One day workshop on Syllabus detailing of SE Mechanical 2015 course, Subject: EEE	05/10/2016 NBN SSOE, Pune.
39.		Two days seminar on Sustainable development in Indian power sector in next decade	11/11/2016 to 12/11/2016 IEI (India)
40.		Two day workshop on Power Electronics Applications in Power System	12/01/2017 to 13/01/2017 AISSMSIOIT Pune
41.		One week STTP on Advanced Optimization Technique with Applications in electrical Engineering	06/03/2017 to 10/03/2017 Sinhgad Institute of Technolgy Lonavala
42.	Thanekar Suresh Jotiram	Two days seminar on Sustainable development in Indian power sector in next decade	11/11/2016 to 12/11/2016 IEI (India)
43.		Two day workshop on Power Electronics Applications in Power System	12/01/2017 to 13/01/2017 AISSMSIOIT Pune

d. FDP/STP/TTT etc –Organized : NIL

## • University Results:

- Give the Percentage of university results without backlog / ATKT for the last four years

$$\% \text{ Result} = \frac{\text{Number of students passed without backlog/ATKT}}{\text{No.of students appeared for exam}}$$

Year	Previous P (2015-16)	P-1 (2014-15)	P-2 (2013-14)	P-3 (2012-13)
First Year	34.79	65.53	67	71.93

Sr. No.	Department	Semester – II Results (%)
1.	Engineering Sciences (FE)	59.98

• University rankers

Year	Class	Name of the student	Rank
2016-17	FE	Not available because of Credit pattern	
2015-16	FE	Not available because of Credit pattern	
2014-15	FE	Kulkarni Vismay Vitthalrao	04
		Karan Kher	09

• Value Added courses and Expert Sessions

Sr. No.	Activity Name	Resource person/organized by/ sponsored by	Date of Conduction
1.	Personality Development	Mrs Sujata K Biyani	10/07/2016
2.	Power of Habits	Mr Bimal Sud	31/08/2016
3.	Discover yourself, time management and positive thinker	Rohit Tiwar	30/08/2016
4.	Personality development and competence training	Mr Bimal Sud	18/01/2017
5.	Personality development and competence training	Akshay Pawar	19/01/2017
6.	Role of youth in nation building BSW, SPPU	Prof. Suraj Bhoyar	17/02/2017

7.	“Proficiency in English language” for First Year Engineering students with vernacular background.	Prof Sujata Biyani	20/03/2017
8	Expectations of changing times and industry and demands on work force	Dr. S.M. Sansgiri	27/03/2017
9	Basic Mechanical Engineering	Dr T.A. Jadhav	29/03/2017
10	Basic Mechanical Engineering	Dr S.M. Sanasgiri	24/03/2017
11	Basic Mechanical Engineering	Prof. A.P. Tadamalle	03/04/2017
12	Character Development and competence training	Dr. Saurabh Chaudhary	28/03/2016
13	Basic Mechanical Engineering	Prof. D.H. Burande	30/03/2017
14	Character Development and competence training	Mr Kartikeya Parashar	30/09/2016
15	Personality development and competence training	Mr Amol Kendre	19/01/2017
16	Proficiency in English Language for vernacular students”	Prof Shailesh Bhosale	23/03/2017

Expert Lectures for FE (SC, ST and EBC) students were conducted by Engineering Sciences Faculty during semester I and II of academic year 2016-17 with the support of Student Welfare, Savitribai Phule Pune University and SCOE.

Sr. No.	Date	Time	Title of the topic	Name of the Resource Person
1	25/08/2016	3.30-4.30 pm	Applications of Differential equations	Dr. R.S. Shewale
2	26/08/2016	3.30-4.30 pm	Fuel Cells	Prof. S.R. Madhure
3	29/08/2016	3.30-4.30 pm	Application of interference in mechanical gauges	Prof. Mrs. V. V. Patil
4	02/09/2016	3.30-4.30 pm	Conservation of Electrical Energy	Prof. S. J. Thanekar
5	06/09/2016	3.30-4.30 pm	Application of matrices in coding and decoding	Prof. Mrs. S.S. Mane
6	22/09/2016	3.30-4.30 pm	Polymer Nano composites as sensor	Dr. Mrs. A.K. Diwan
7	23/09/2016	3.30-4.30 pm	Application of Fourier series	Prof. Mrs. M.N. Joshi
8	29/09/2016	3.30-4.30 pm	Nanotechnology in Solar cells	Prof. V.K. Chaudhari
9	30/09/2016	3.30-4.30 pm	An overview of Indian power sector	Prof. A. N. Sarwade
10	07/10/2016	3.30-4.30 pm	Effective communication Skills	Prof. Mrs. S.K. Biyani
11	07/10/2016	4.30-5.30 pm	Preparation for interview	Prof. S. G. Bhosale
12	14/10/2016	3.30-4.30 pm	Application to Graph Theory	Prof. Mrs. M. M. Deshak
13	03/11/2016	3.30-4.30 pm	Industrial waste water management technologies	Dr. Mrs. V. R. Doss
14	04/11/2016	3.30-4.30 pm	Importance of solid state physics in Engineering	Dr. S.S. Pawar
15	10/11/2016	3.30-4.30 pm	Effect of ultrasonic waves on PH values	Prof. Mrs. A.H. Bhapkar
16	11/11/2016	3.30-4.30 pm	Introduction to solid geometry	Prof. M.B. Diwate

17	22/12/2016	3.30-4.30 pm	Nano Science materials	Dr. Ms. S.V. Kahane
18	23/12/2016	3.30-4.30 pm	Sequence and Series	Prof. N. B. Mhetre
19	29/12/2016	3.30-4.30 pm	Speciality polymers -I	Prof. S. P. Charate
20	30/12/2016	3.30-4.30 pm	Curve tracing	Prof. S.C. Bidwai
21	05/01/2017	3.30-4.30 pm	Conservation of Electrical Energy	Prof. S. J. Thanekar
22	06/01/2017	3.30-4.30 pm	Study of transforms and techniques	Prof. P. B. Yelam
23	12/01/2017	3.30-4.30 pm	Importance of power factor	Prof. N.M. Dharmadhikari
24	13/01/2017	3.30-4.30 pm	Power Quality	Prof. A. N. Sarwade
25	19/01/2017	3.30-4.30 pm	Matrices	Prof. K. R. Khatri
26	20/01/2017	3.30-4.30 pm	Power Quality in industry	Prof. R. S. Patil
27	16/02/2017	3.30-4.30 pm	AC and DC machines	Prof. K. R. Dubal
28	20/03/2017	3.30-4.30 pm	Grammar Skills	Prof. S.G. Bhosale
29	21/03/2017	3.30-4.30 pm	Effective communication Skills	Prof. Mrs. S. K. Biyani
30	22/03/2017	3.30-4.30 pm		Prof. Mrs. S. K. Biyani

- **Memorandum of Understanding : NIL**

- **Industrial Visits: NIL**

- **Student Projects : Not Applicable**

- **Placement, Higher Studies, Self Employment: Not Applicable**

- **Student Achievements**

- **Extra-Curricular**

**Participation in Sports:**

**1] Cultural:**

Sr. No.	Name of student	Activity	Event Name	Prize/Rank
1.	Akanksha Kode	Street play	Bhartiyam 2017	1 <sup>st</sup>
2.		Street play	AFMC	1 <sup>st</sup>
3.		Street play	Melange'17	1 <sup>st</sup>
4.		Street play	REVERZ'17	1 <sup>st</sup>

5.	Snehal Kawade	Drama	IS&BM	1 <sup>st</sup>
6.		Drama	UTSAV'17	1 <sup>st</sup>
7.		Drama	UTSAV'17	2nd Runner up
8.		Drama	UTSAV'17	1 <sup>st</sup>
9.		Drama	UTSAV'17	2nd Runner up
10.	Shambhavi Kulkarni	Street play	Bhartiyam 2017	1 <sup>st</sup>
11.		Street play	AFMC	1 <sup>st</sup>
12.		Street play	Melange'17	1 <sup>st</sup>
13.		Street play	REVERZ'17	1 <sup>st</sup>
14.		Drama	IS&BM	1 <sup>st</sup>
15.		Drama	UTSAV'17	1 <sup>st</sup>
16.		Drama	UTSAV'17	2nd Runner up
17.	Janhavi Karanjkar	Street play	Bhartiyam 2017	1 <sup>st</sup>
18.		Street play	AFMC	1 <sup>st</sup>
19.		Street play	Melange'17	1 <sup>st</sup>
20.		Street play	REVERZ'17	1 <sup>st</sup>
21.		Drama	IS&BM	1 <sup>st</sup>
22.		Drama	UTSAV'17	1 <sup>st</sup>
23.		Drama	UTSAV'17	2nd Runner up
24.	Pallavi Kapare	Street play	Crescendo'17	1 <sup>st</sup>
25.		Street play	Grafitti'17	2 <sup>nd</sup>
26.		Street play	Amethyst'17	1 <sup>st</sup>
27.		Street play	Panache'17	1 <sup>st</sup>
28.		Street play	AFMC	1 <sup>st</sup>
29.		Street play	Melange'17	1 <sup>st</sup>
30.		Street play	REVERZ'17	1 <sup>st</sup>
31.		Street play	Transcend'17	1st
32.		Street play	Laissez faire	2nd
33.	Pooja Gohil	Street play	Mood Indigo	1st
34.		Street play	Crescendo'17	1st
35.		Street play	Grafitti'17	2nd
36.		Street play	Amethyst'17	1st
37.		Street play	Panache'17	1st
38.		Street play	AFMC	1st
39.		Street play	Melange'17	1st
40.		Thetrix	Transcend'17	1st
41.		Street play	Laissez faire	2nd
42.		Street play	Technikala	1st
43.		Drama	IS&BM	1st
44.	Apeksha Agase	Street play	Symbiosis sb road	Runner up
45.		Street play	Panache'17	1st

46.		Street play	Symbiosis Hinjewadi	Runner up
47.		Street play	NICMAR	1st
48.		Street play	AFMC	1st
49.		Street play	Melange'17	1st
50.		Drama	UTSAV'17	1st
51.		Drama	UTSAV'17	2nd Runner up
52.	Viraj Hanmante	Street play	Transcend	1st
53.		Street play	Technikala	1st
54.		Street play	Grafitti	2nd
55.		Street play	Panache'17	1st
56.		Street play	Crescendo	1st
57.		Street play	Amethyst'17	1st
58.		Street play	Mood Indigo	3rd
59.		Street play	MIT Aarohan	2nd
60.		Street play	Laissez faire'17	2nd
61.	Pritesh Shirsath	Drama	Vedant Karandak	1st

## 2] Sports

Sr. No.	Name of student	Activity	Organizer	Prize/Rank
1.	Dipali Patil	Cricket (G)	Sinhgad Sports karandak	1 <sup>st</sup>
2.	Uma Kumari	Cricket (G)	Sinhgad Sports karandak	1 <sup>st</sup>
3.	Vasudha Virmani	Basketball (G)	Sinhgad Sports karandak	1 <sup>st</sup>
4.	Shital Bhagat	Cricket (G)	Sinhgad Sports karandak	1 <sup>st</sup>
5.	Ntando Gwabe	Football	Shahu Tournament	1 <sup>st</sup>
6.	Mohammad Sillah	Football	Shahu Tournament	1 <sup>st</sup>
7.	Ashutosh Deshmukh	Cricket (G)	VJTI Cup	1 <sup>st</sup>
8.	Ashutosh Deshmukh	3km Running	ZEST 2017	2 <sup>nd</sup>

- **Resource person/Guest Lecture delivered by the faculty outside the Institute: Nil**

- **F.E Induction Program**

**FE Induction Program:**

The First Year Engineering Induction Program was scheduled on 4th August, Thursday and 5th August 2016, Friday. The first day Induction Program was carried out by Department of Engineering Sciences (First Year Engineering Department) and the second day by the respective departments. The details of Day – 1 program is as follows.

Dr. R. S. Shewale, FE Coordinator was overall faculty coordinator for induction program.

The students reported to Sinhgad College of Engineering at 9.30 am (Approximately 800 students had reported). The detailed schedule of two day induction program was distributed to all the students and also displayed on the notice boards.

Food packets and tea was distributed to all students from 9.30 am to 11.00 am. Prof. A. N. Sarwade was faculty-in-charge for distribution of food packets and tea/coffee.



**Distribution of food packets in every class room with the help of student volunteers**



The Induction kit containing a Notebook and a pen was distributed to the individual students by the respective faculty with the help of student volunteers in the classroom. Information about Induction Kit was given by faculty in-charge.

The division wise detail program of both days of induction program was given to all students.

The students enjoyed the food packets as well as tea/coffee in the classrooms along with SE student volunteers. There were about 60 student volunteers from all 8 branches helping the FE students in 18 classrooms for distribution of food packets, induction kit and tea/coffee. Prof. Mrs. S. S. Mane and Dr. S. S. Pawar was faculty-in-charge for distribution of induction kit

In the morning session 11.00 am to 1.00 pm, arrangements were made for divisions 1-9 to have classroom orientation and divisions 10-18 to have visits to the laboratories of various departments related to First Year Engineering and vice-versa was followed in the afternoon session, 2.00 pm to 4.00 pm.



**Classroom orientation by faculty with the help of Power Point Presentation**

Division wise, First Year students were accompanied by senior students and FE Teachers. The information in the laboratory was provided by the faculty in-charge of laboratory. 60 senior students guided students to FE laboratories.



**Student orientation in FE laboratories**

## • **Parent Meet**

The Parents were assembled in the Dental Seminar Hall from 10.00 am to 11.00 am. The power point presentation of “SCOE at a Glance” was given to the parents before the address of the Principal. The presentation included the information about STES, then general information of SCOE and detail information about the infrastructure of the college and various activities such as STP, SSC and SOC.

Parents were served breakfast and tea/coffee between 10.00 am to 11.00 am

At 11.00 am the program started. Brief Introduction was given by HODs of all departments followed by felicitation of last year FE Toppers. First Year Engineering Head, Vice principal and Principal addressed the parents.

In the program, two FE ranker students shared their experiences about the academics, co-curricular and extra-curricular activities conducted in FE department as well as in the college. Parents also shared their views regarding SCOE.

The program was conducted by Prof. S. P. Charate and vote of thanks was given by Dr. Veena Doss, FE Coordinator.



**Parents watching Power Point Presentation of “SCOE at a Glance” before Principal’s address**





- **Facilitation of FE Toppers:**



**Dhumal Harshwardhan (SGPA: 9.88)**



**Palande Saloni (SGPA: 9.86)**



**Chavan Akshay (SGPA: 9.84)**



**Ghonge Phalguni (SGPA: 9.82)**



**Address by FE HOD, prof. V. K. Chaudhari and Vice Principal Dr. Y. P. Reddy**



**Address by Dr. S. D. Lokhande, Principal, SCOE**



**Parents view**



**FE Topper Students view**

On Day 2, the students were distributed department wise. The orientation was done by respective departments. Following activities were conducted in the departments,

- Welcome address by HOD
- Address by Chief Guest.
- Address by Alumni and interaction with them
- Information about STP and SSC by department coordinators
- Tour to the department Laboratories
- Ice breaking events.

Following are the details of Chief Guest and Alumni present in the department,

Sr. No	Department	Name, Designation & Organization of Chief Guest	Name, Designation & Organization of Alumni
1	Biotechnology	<b>Dr. Asmita Prabhune</b> Scientist at NCL, Pune	<b>1. Tejas Shah</b> Senior Research fellow At KLE, Belgaum <b>2. Animesh Wnadkar</b> M.Tech Student , VIT Vellor
2	Chemical Engineering	<b>Mr. Tejas Shah</b> Consultant (Chemical Practice) Markets & Markets, Pune	<b>Mr. Girish Gund</b> , Team Manager Deutsche Bank Group, Yerwada, Pune
3	Civil Engineering	<b>Mr. Prakash Medhekar</b> Experience Industry- 35 Years (India & Abroad) Currently Working as an Assistant Prof. in Project & Construction Management Dept. at MIT Pune	<b>Mr. Vivek Chintal</b> Owner - Suniti India pvt. ltd.
4	Computer Engineering	<b>Mrs. Aboli Deshpande</b> Sr. HR Business Partner at Savy s/w Pvt. Ltd	<b>1) Pratik Potanis</b> Founder, CEO, Procmart.com <b>2) Saurabh Shendage</b> Founder & Head execution Sys Weave Technocraft Pvt. Ltd. <b>3) Sudarshan Mahajan</b> Founder, GoFigito Educorp
5	Electronics & Telecommunication Engineering	<b>Mr. Sudarshan Natu</b> (Vice President, Embedded Harman Connected Services, Pune)	<b>Mr. Parag Karve</b> (Manager, Oracle DBA, Tech Mahindra, Pune)
6	Information Technology	<b>Mr. Rohit S. Karandikar</b> Senior Consultant (Cloud and Infrastructure Services) Infosys Ltd.	<b>1. Kartik Poshettiwar</b> , Accenture <b>2. Sagar Sonker</b> , M. S. Software Systems, TEFL Certified. <b>3. Bhimashankar Pandarge</b> , Cognizant Technology Solutions
7	Mechanical Engineering	<b>Mr. Dinesh Latkar</b> , MD, Kaizen Engineering (India) Pvt. Ltd. Chakan, Pune - 410501	<b>Mr. Chinmay Pusalkar</b> , Partener, Magnakraft Automation Systems, Pashan, Pune- 411008

8	Production Engineering	Mr. Tansen D. Chaudhari, Chief Operating Officer ( COO) , Fluid Controls Pvt. Ltd., Bhosari, Pune	1) Rajesh Gadale 2) Meghan Ghone 3) Advait Mahendru 4) Prajakta Kale 5) Chandan Kumar
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